



SANTOSH
Deemed to be University



Celebrating

BIOETHICS **IN DENTISTRY**

2016-2023

Since 1990





**Established
in 2016**



Dr P Mahalingam

Founder Chairman
MD (General Medicine)
DM (Cardiology), FCCP

In a world where technology is constantly reshaping the landscape of healthcare, ethical considerations have never been more crucial. Dentistry, as a vital branch of healthcare, is not exempt from these ethical challenges. Dental professionals stand at the intersection of science, technology, and humanity, making decisions that impact not only the oral health of their patients but also their overall well-being and quality of life.

I am honored to write the foreword for the book titled "Bioethics in Dentistry" that showcases the remarkable work being conducted at Santosh Deemed to be University under the National Dental Bioethics Program, formerly under UNESCO Chair in Bioethics, Haifa. As we navigate the intricate realm of dental ethics, this book emerges as a beacon, illuminating the path towards conscientious and compassionate dental practice.

Dentistry's ethical framework is woven with threads of informed consent, confidentiality, and the utmost respect for patient autonomy. These principles serve as the compass guiding us through the complex ethical dilemmas we encounter daily. Bioethics is an ever-evolving field that plays a crucial role in dentistry and healthcare as a whole. It encompasses principles, values, and guidelines that pertain to moral issues arising from advancements in scientific research, technology, and patient care. It is imperative for dental professionals to not only possess proficient clinical skills but also be ethically responsible individuals.

Santosh Deemed to be University has been at the forefront of dental education and research, driven by a commitment towards providing quality healthcare and holistic patient-centric services. We believe that fostering an ethical and morally conscientious environment is fundamental to achieving this goal.

The National Dental Bioethics Program, established under the UNESCO Chair in Bioethics, Haifa, has been instrumental in promoting ethical practices in dentistry at institutional, regional, national, and international levels.

This book serves as a comprehensive manual that encompasses the myriad aspects of bioethics in dentistry. It highlights the accomplishments and groundbreaking research conducted at Santosh Deemed to be University as part of the National Dental Bioethics Program. From ethical considerations in patient care to the responsible use of technology and the protection of participants in dental research, this book delves into areas of paramount importance in dental bioethics.

contd.

FORWARD



As you embark on this journey through the pages of this book, I urge you to consider it not just as a resource but as a trusted companion in your practice. Our shared goal, as doctors and healthcare providers, is to integrate ethical principles seamlessly into the fabric of dental care. This book stands as a testament to our commitment to this noble pursuit.

Additionally, this publication showcases the collaborative efforts of dental professionals from around the world, providing an international perspective on bioethical challenges and solutions. It serves as a testament to the commitment and dedication of individuals in the field, working collectively to enhance the ethical dimension of dentistry.

I commend the editors, authors, and contributors for their invaluable insights and contributions to this book. Their expertise and commitment to ethical dental practices will undoubtedly serve as an inspiration to current and future professionals in the field.

I would like to extend my gratitude to the National Dental Bioethics Program and the UNESCO Chair in Bioethics for their continuous support and guidance. I am confident that this book will serve as a vital resource for all dental professionals, educators, researchers, and students interested in bioethics in dentistry.

Let us continue our journey towards ethical dental practices and the betterment of oral healthcare for all.



PREFACE



Prof. Russell D'Souza

Head & Chair, Department of Education
International Chair In Bioethics

I am delighted and congratulate you on the occasion of the National Dental Bioethics Unit launching its Book. This is indeed a welcome direction given that the Dental bioethics program of the Indian program of the UNESCO chair in Bioethics, has been active in introducing the integrated dental bioethics curriculum which has been piloted and now introduced in universities that are part of the Indian program of the UNESCO Chair in Bioethics. Further the program hosted the International Panel Discussion webinar of UNESCO Chairs Series on Dental professionals' challenges with ethical issues in the wake of COVID pandemic. The Dental Bioethics program in association with the department of education of the UNESCO Chair in Bioethics is organizing the Webinar course with an International faculty for Dental teaching faculty for the award of the International Post graduate certificate on the principles in Bioethics and Human Rights in Health Science Education. The successful faculty will be eligible for registration and membership with the International forum of Teachers of Bioethics of the UNESCO Chair at the Medical University Sophia of the EU. I wish the book and the activities of the National Dental bioethics program of the UNESCO Chair in Bioethics all success.



Prof. Mary Mathew

Co-Chair & Deputy Head,
Department of Education, ICB

It gives me immense pleasure to congratulate the National Dental Bioethics Unit for spearheading the release of 'The Bioethics Book' Ethical issues in Dentistry require its own niche as these concerns are unique and problematic to the profession. This platform provides the space to disseminate, share and collaborate with the aim to circumvent, alleviate as well as learn from these issues which at times can be disconcerting. I wish this team great success and the all the very best in this endeavor.



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OUR AIM

As dental professionals, we recognize that our field is deeply rooted in the trust that exists between us and our patients. This trust is founded on the assurance that we will consistently act in the best interest of our patients, providing the highest level of care. To maintain this trust, it is essential for us to adhere to a set of ethical principles that guide our practice. The objective of bioethics in dentistry is to establish a framework for ethical decision-making that upholds the highest standards of care and professionalism within our community.

Bioethics in dentistry is a complex and multifaceted field, covering a wide array of moral, ethical, and legal concerns. As dental professionals, one of our primary goals is to ensure that our patients receive the best care possible. This involves respecting their autonomy and right to make informed decisions about their treatment, as well as protecting their privacy and confidentiality. We must also strive to provide care that is evidence-based, effective, and efficient, while minimizing harm and maximizing benefits.

Another essential aim of bioethics in dentistry is to foster a culture of ethical awareness and responsibility among us, dental professionals. This includes promoting a commitment to continuous learning and professional development, as well as encouraging open and honest communication between colleagues, patients, and other stakeholders. We must also be aware of our own limitations and seek assistance when necessary to maintain the highest standards of care.

Furthermore, bioethics in dentistry aims to address the broader social and environmental implications of our practice. This includes considering issues such as access to care, the impact of dental materials and waste on the environment, and the role of dentistry in promoting public health and well-being. By engaging with these wider concerns, we, as dental professionals, can contribute to a more equitable and sustainable world.

To achieve these goals, we must be guided by a set of ethical principles that prioritize the well-being of patients, practitioners, and society as a whole. These principles include respect for patient autonomy, beneficence, non-maleficence, justice, and veracity. By adhering to these principles, we can ensure that we are providing the highest quality care and upholding the values of our profession.



OUR VISION

As dental professionals, our vision for bioethics in dentistry is to create a future where we are guided by a strong ethical compass, ensuring that our actions and decisions are always in the best interests of our patients and society. This vision encompasses several key elements:

1. Patient-centered care: We will prioritize the needs, values, and preferences of our patients, ensuring that they are treated with dignity, respect, and compassion. This includes fostering open communication, informed consent, and shared decisionmaking, as well as protecting patient privacy and confidentiality.
2. Professional excellence: We will be committed to maintaining the highest standards of care through continuous learning, self-reflection, and adherence to evidence-based practices. We will also be accountable for our actions and decisions and will actively seek feedback and support from our peers and mentors.
3. Collaboration and teamwork: We will recognize the importance of working together with colleagues from diverse backgrounds and disciplines to provide comprehensive and coordinated care. We will also engage in open and honest communication and will be willing to share our knowledge and expertise for the benefit of our patients and the profession.
4. Social responsibility: We will be aware of the broader social and environmental implications of our practice and will strive to promote access to care, reduce health disparities, and minimize our ecological footprint. We will also advocate for policies and initiatives that support public health and well-being.
5. Ethical leadership: We will be role models for ethical behavior, both within our practice and in the wider community. We will actively promote the values of bioethics in dentistry and will work to create a culture of ethical awareness and responsibility among our peers and trainees.

By embracing this vision of bioethics in dentistry, we, as dental professionals, can help create a future where ethical decision-making is at the heart of our practice, and where the well-being of patients, practitioners, and society is always the top priority.

This vision requires a commitment to continuous learning, collaboration, and social responsibility, as well as a dedication to upholding the highest standards of care and professionalism. By working together towards this vision, we can ensure that we are providing the best possible care to our patients while also contributing to a more just and sustainable world.

In addition to the aforementioned points, the aim of bioethics in dentistry also includes:

6. Cultural competence: As dental professionals, we will strive to understand and respect the diverse cultural backgrounds of our patients, recognizing that cultural differences can impact patient care and communication. We will seek to develop the skills necessary to provide culturally sensitive care, ensuring that all patients feel understood and respected.

CONT'D...



OUR VISION

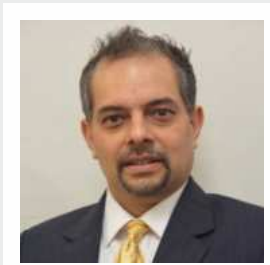
7. Technological advancements: We will stay informed about the latest technological advancements in dentistry and consider the ethical implications of incorporating new technologies into our practice. We will carefully evaluate the potential benefits and risks of new technologies, ensuring that their adoption aligns with the best interests of our patients and the profession.

8. Research ethics: As dental professionals engaged in research, we will adhere to the highest ethical standards, ensuring that our work is conducted with integrity, transparency, and respect for human subjects. We will also strive to disseminate our research findings in a responsible and accessible manner, contributing to the advancement of knowledge within the field of dentistry.

The vision of bioethics in dentistry from a dental professional's perspective is one that encompasses a holistic approach to patient care, professional development, and social responsibility. By incorporating these principles into our practice, we can create a future where ethical decision-making is at the forefront, ensuring the well-being of patients, practitioners, and society as a whole.



FROM THE BOARD



Dr. Rajiv Ahluwalia

Head
National Dental Bioethics Unit

As technology and the field of dentistry continue to advance, ethical questions and dilemmas arise regarding how best to provide care for patients. Dental professionals are often faced with decisions that not only impact their patients' oral health, but also their overall well-being and quality of life. Therefore, it is essential for dentists to have a thorough understanding of bioethics and its applications in dentistry.

As the head of bioethics, I am pleased to present this book on work done under the National Dental Bioethics Program. Dental professionals have a unique and important role in promoting the health and well-being of their patients. Informed consent, confidentiality, and respect for patient autonomy are just a few of the ethical principles that must be upheld in the practice of dentistry.

This book aims to provide a comprehensive overview of the ethical issues that arise in the context of dental practice. It covers topics such as patient autonomy, confidentiality, informed consent, end-of-life care, and the use of new technologies many activities were initiated by experts in the field, to create awareness and provides practical guidance on how to navigate these complex ethical issues.

It is our hope that this booklet will serve as a valuable resource for dental professionals as they strive to provide the best possible care for their patients. As bioethicists, our goal is to help healthcare providers integrate ethical principles into their practice, and we believe that this booklet represents a step in that direction.

I would like to thank the National Dental Bioethics Committee members who contributed to this program, as well as the staff at our institution who supported its development. We hope that this booklet will stimulate further discussion and reflection, and ultimately lead to better outcomes for patients and dental professionals alike.



FROM THE BOARD



Dr. Akshay Bhargava

Dean Dental
Santosh Deemed To Be University

I heartily congratulate one and all for the huge success of the Bio-ethics Conference held in collaboration with the National Dental Bioethics Unit, International Chair in Bioethics and World Medical Association. Ultimately, good dentistry depends on individuals committed to treating society and their patients fairly, that is, ethically. Thus the justification for teaching professional ethics in dentistry is to facilitate the personal and professional development of aspiring dentists into socially and professionally responsible human beings.

I also wish to highlight the persistent and unabating efforts of the National Dental Bio-ethics Unit members in fortifying the core values of Bioethics amongst Dentists by regularly conducting such multifaceted events. I wish the best of luck to the team for many more such successful endeavours.



Dr. Jyoti Batra

Dean Research
Santosh Deemed To Be University

'If everyone is moving forward together, then SUCCESS takes care of itself'. It gives me immense pleasure to congratulate the entire team of National Dental Bioethics Program at Santosh Dental college and hospital, Ghaziabad, in collaboration with the national dental bioethics' unit international chair in bioethics

and world Medical Association. I would like to grab this opportunity to deeply appreciate every member of the team for working relentlessly towards making this program a grand success. The values imbibed in ethics by students will help spread sensitization about the same. This program has opened an excellent opportunity for students to win accolades by showcasing their talent through participation in various events and competitions.

My heartfelt congratulations to the entire team for their wholesome effort and here's wishing them success to continue the good work in the years ahead.



FROM THE BOARD



Dr. Neeraj Grover
Organising Chairman

I'm pleased to share my experience as the organizing chairman of the national conference on "Bioethics in Dentistry," held from 19th to 21st April at Santosh Dental College & Hospital. In collaboration with the National Dental Bioethics Unit, International Chair in Bioethics, and World Medical Association, we hosted engaging events for our students who achieved remarkable success in various competitions, including logo-making. The entire Dental college community, including respected Dean, respected Dean student welfare, faculty, postgraduates, interns, and undergraduates, registered for the conference, signifying the successful awareness of bioethics. The concluding day in the Maharaja Hall featured an inaugural function and marked the first distribution of brochures and certificates to all participants, enhancing the event's professionalism. Lastly, I extend my heartfelt congratulations to all those who contributed to the resounding success of this conference.



Dr. Nidhi Gupta
Organising Secretary

I congratulate everyone on our outstanding contributions to the successful "Bioethics in Dentistry" conference held from April 19th to 21st at Santosh Dental College & Hospital. Collaborating with the National Dental Bioethics Unit, International Chair in Bioethics, and World Medical Association, this event showcased our dedication and hard work. Keynote addresses, guest lectures, debates, and quizzes enlightened participants on ethical practices in dentistry. A notable highlight was the student logo competition, fostering creativity and active student participation in promoting ethical dentistry. Organizing this conference filled everyone with enthusiasm. With the support of our management, colleagues, and encouraging Dean sir, we surpassed expectations and achieved success. We look forward to organizing more conferences in the future, building upon this achievement. I extend my heartfelt gratitude and congratulations to everyone involved. Your dedication and passion for promoting bioethics in dentistry are commendable.



Bioethics in dentistry encompasses the intricate web of ethical considerations and guiding principles that dental professionals diligently adhere to when delivering patient care, conducting research, and engaging in educational endeavors within the dental field. It is an interdisciplinary discipline that scrutinizes moral issues and dilemmas, delving deep into the complex terrain where dentistry intersects with ethics.

At its core, bioethics provides a sturdy framework through which dentists and dental practitioners navigate the labyrinthine realm of ethical decision-making, deftly maneuvering through intricate situations that demand delicate balance between patient well-being and rights. It empowers dental professionals to weigh the benefits and risks associated with different treatment options, honor patient autonomy, safeguard patient privacy and confidentiality, champion fairness and justice in dental care provision, and dutifully abide by the hallowed codes of professional conduct.

Amidst the tapestry of bioethics, certain fundamental principles act as beacons guiding dental professionals in their noble quest to deliver ethical and compassionate care:

1. **Informed Consent:** Dentists must ensure that patients are endowed with comprehensive and comprehensible information concerning their oral health condition, proposed treatment options, and the potential risks and benefits associated with each course of action. Empowering patients with this knowledge allows them to make autonomous decisions regarding their dental care, after careful contemplation and consideration.
2. **Autonomy:** Respecting patient autonomy stands as a pillar of bioethics in dentistry. Dental practitioners are duty-bound to involve patients in the decision-making process, granting them agency over their own treatment. By providing transparent and comprehensive information, obtaining informed consent, and respecting the patient's right to accept or refuse treatment, dentists honor the essence of autonomy.
3. **Beneficence:** Dentists are guided by the ethical obligation to act in the best interests of their patients, tirelessly championing their overall well-being. This principle underscores the imperative of providing competent and effective treatment while considering the patient's unique preferences, needs, and circumstances.
4. **Non-maleficence:** In the pursuit of ethical dental practice, dentists strive to "do no harm." By taking prudent measures to avoid unnecessary risks, implementing precautions to prevent complications during procedures, and demonstrating an unwavering commitment to patient safety, dental professionals embody the core tenets of non-maleficence.
5. **Justice:** In the realm of dental care, justice becomes a beacon guiding the ethical compass of practitioners. Upholding fairness and equity in the provision of dental services requires ensuring equal access to care, mitigating disparities, and refraining from discriminatory practices based on race, ethnicity, socioeconomic status, or disability.

ESSENTIALITY OF BIOETHICS



6. **Veracity:** Dentists are entrusted with the responsibility of truthfulness and honesty in their interactions with patients. Honoring the principle of veracity, they diligently provide accurate and complete information about the patient's oral health, proposed treatment options, potential risks, and benefits. This transparency fosters trust and empowers patients to make well-informed decisions.

7. **Confidentiality:** The sanctity of patient confidentiality assumes paramount importance in dentistry. Dental professionals steadfastly safeguard patient privacy and confidentiality, diligently following established protocols to protect sensitive information. Disclosure of patient data is strictly limited to authorized individuals or entities, with patient consent serving as the guiding principle.

8. **Research Ethics:** Dental professionals engaged in research uphold a stringent code of research ethics. They adhere to principles that protect the rights and welfare of research participants, obtaining informed consent, ensuring privacy and confidentiality, and conducting research with scientific rigor and integrity.

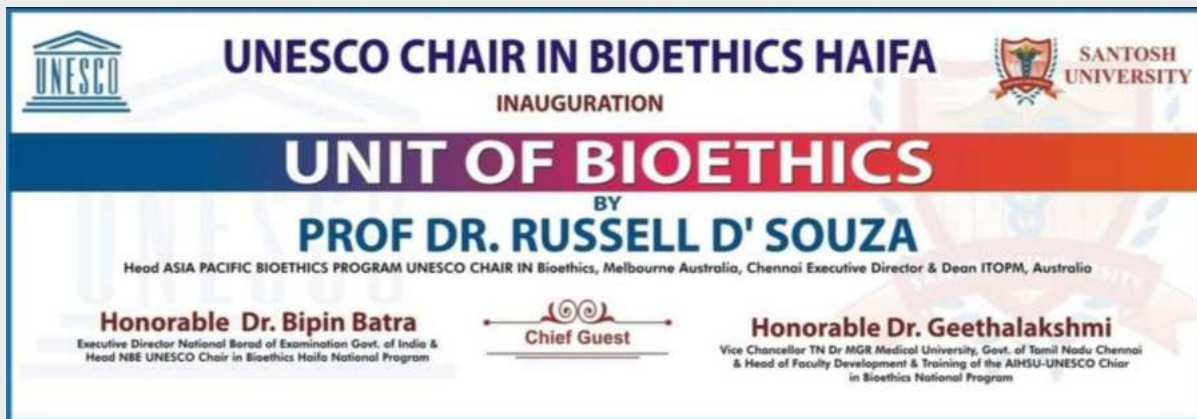
9. **Equity and Access:** The ethos of equity and access resonates deeply within the ethical fabric of dentistry. Upholding this principle necessitates striving for fairness and equal access to dental care, eliminating discriminatory practices, and endeavoring to bridge the gaps that impede equitable oral health outcomes.

10. **Professional Conduct:** Dentists have ethical obligations to maintain professional integrity, honesty, and competence. They must adhere to ethical guidelines and standards of practice and provide quality care to their patients.

In addition to these principles, dentistry also faces specific ethical considerations related to areas such as dental research, professional relationships, informed consent for minors or incapacitated individuals, and the use of emerging technologies in dental practice. Ethical committees and organizations within the dental profession often provide guidance and support to dental professionals in navigating these complex ethical issues.



INAUGURATION OF UNESCO CHAIR IN BIOETHICS HAIFA



Reflecting on a significant milestone in the history of Santosh Deemed to be University. In 2016, our institution was bestowed with the honor of chairing the National Dental Bioethics Program among a pool of over 350 dental colleges across the country.

From the very beginning, our university prioritized the cultivation of a strong bioethical training culture. Since our establishment in 2007, we have consistently demonstrated a selfless and passionate commitment to bioethics. Notably, our participation in debates on national television, focusing specifically on professional bioethics, served as a turning point for our university, solidifying our dedication and responsibility towards bioethics on a global scale.

In India, Santosh Deemed to be University proudly stood as one of the signatories among

180 nations at UNESCO, exemplifying our unwavering commitment to enforce bioethical values within the healthcare system.

In 2016, a significant achievement came to fruition when the UNESCO Chair in Bioethics Haifa established the National Dental Bioethics Unit at Santosh Deemed to be University. This collaboration further propelled our university's mission to champion bioethical values and practices.

Bending the trajectory of inequities requires not only meaningful consensus across nations but also a deep commitment from individual nations to incorporate shared values into their domestic policies. Santosh Deemed to be University embraced this responsibility at the forefront, ensuring that bioethical principles were deeply embedded in our education, research, and clinical practices.



Media- NDTV (Annex 1)
Date- 23rd May 2013
Show- Ethics in Medical
Advertising

Through the National Dental Bioethics Program, we have tirelessly worked to promote ethical decision-making and



responsible practices within the dental community. Our comprehensive training and awareness initiatives have empowered dental professionals to navigate complex ethical dilemmas, fostering an environment defined by compassion, integrity, and equity.

We are immensely proud of the progress made and the impact achieved through our involvement in the National Dental Bioethics Program. It is a testament to our commitment to shaping a brighter, more ethical future in the field of dentistry.

As we look back at this transformative chapter, we invite you to stay connected with Santosh Deemed to be University. Follow our journey as we continue to drive innovation, uphold ethical standards, and make a lasting impact in the realm of bioethics.

Santosh Deemed to be University: Where Bioethics Shapes the Path to a Better Tomorrow.

We take immense pride in the recognition bestowed upon Santosh Deemed to be University by the UNESCO Chair in Bioethics, Haifa. In acknowledgement of our unwavering commitment to bioethics, the establishment of the National Dental Bioethics Unit at our university stands as a testament to our dedication to promoting ethical practices in dentistry.

Under the esteemed leadership of Dr. Rajiv Ahluwalia, Professor and Head of the Department of Orthodontics at Santosh Dental College, we were honored to have him appointed as the Secretary for the National Dental Bioethics Program. His expertise and passion have played a pivotal role in advancing the cause of bioethics within our institution.

On 27th April 2016, a momentous occasion marked the inauguration of the Bioethics Unit at Santosh Deemed to be University. This milestone event was made possible by the facilitation of (Annex 2), and it served as a significant step forward in our journey towards fostering a culture of bioethics.

Over the past five years, we have embraced the concept of celebrating Bioethics Week during the week of World Bioethics Day. This innovative approach has allowed us to effectively teach and engage students in the principles of bioethics. Through various events such as Rangoli, Face painting, NukkadNatak, Debate, and Poster competitions, all our students actively participate, broadening their understanding of bioethical values.

In line with our commitment to integrating bioethics into our educational programs, we have conducted orientation programs for PhD students, postgraduates, and undergraduate students. By incorporating bioethics into the curriculum, we ensure that our future healthcare professionals are well equipped with the necessary knowledge and ethical frameworks to navigate the complex landscape of healthcare.

We continue to champion the cause of bioethics, upholding the highest standards of integrity and compassion in our education, research, and clinical practices.

Join us on this transformative journey as we pave the way for a future where bioethical values guide every aspect of healthcare. Together, we can make a lasting impact in the field of bioethics, shaping a world that prioritizes the well-being and ethical treatment of all.

At Santosh Deemed to be University, bioethics is not just a concept, but a way of life.





הקתדרה לביו-אתיקה של אונסקו
UNESCO Chair in Bioethics

המרכז הבינלאומי לבריאות, משפט ואתיקה, הפקולטה למשפטים, אוניברסיטת חיפה
The International Center for Health, Law and Ethics, University of Haifa

ראש הקתדרה: פרופ' אמנון כרמי
Chairholder: Prof. Amnon Carmi

The UNESCO Chair in Bioethics Haifa

Confirms that

Dr Rajiv Ahluwalia

*Vice-Dean, Faculty of Dental Sciences
Santosh Deemed to be University*

Has been appointed

Head, National Dental Bioethics Programme

*Of the International Network
of the UNESCO Chair in Bioethics*

On the 10th February 2020

*to fulfil the objectives of stimulating Teaching, Training and
Research in Bioethics in Dental and Health Science Education.*

Prof. Amnon Carmi,
Head, UNESCO Chair in Bioethics
University of Haifa

Prof Russell D'Souza MD
Head Asia Pacific Division
UNESCO Chair in Bioethics



Department of Education
INTERNATIONAL PROGRAM
INTERNATIONAL CHAIR IN BIOETHICS,
(University of Porto, Portugal)

Certificate

This is to certify that
having successfully completed the requirements

Dr. Rajiv Ahluwalia
has been awarded the

Post-Graduate Diploma in Bioethics, Human Rights
and Health Law in Medical & Health Professionals Education

In witness thereof

The sign and seal of the Governing Council

Prof Russell F DSouza

Director, Dept of Education, Australia

Prof Mary Mathew

Co – Chair, India

Prof Gerhard Fortwengel

Co – Chair, Germany

Prof Derek SJDSouza

Co – Chair, India

Prof Kristen Jones-Bonofiglio

Co – Chair, Canada

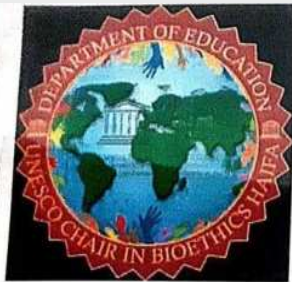
Prof Joseph Thorton MD

Co – Chair, USA

Dated: 08 April 2022



Certificate No – 822



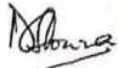
UNESCO Chair Bioethics Haifa Department of Education

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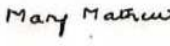
Dr. Rajiv Ahluwalia

has successfully completed attending the required course program of
**THE INTERNATIONAL CERTIFICATE ON PRINCIPLES OF
BIOETHICS AND HUMAN RIGHTS OF THE UNESCO
UNIVERSAL DECLARATION ON BIOETHICS AND HUMAN
RIGHTS IN MEDICAL AND HEALTH SCIENCE EDUCATION**

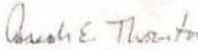
ending on 18th June 2021


PROF. DEREK D'SOUZA
International Course
Coordinator
Department of Education
India


PROF. DR. RUSSELL D'SOUZA
Director
Department of Education,
Melbourne, Australia


PROF. DR. MARY MATHEW
Chair International Council
Department of Education


PROF. GERHARD FORTWENDEL
International Council Member
Department of Education
Germany


PROF. JOSEPH THORNTON
International Council Member
Department of Education
USA

NATIONAL DENTAL BIOETHICS PROGRAM'16

The Santosh Dental College at Santosh University, Ghaziabad, witnessed a momentous occasion on November 14, 2016, as the official inauguration of the National Dental Bioethics Unit UNESCO-Haifa took place. This grand event was graced by the presence of Dr. Russell D'Souza, the UNESCO Chair in Bioethics at HAIFA, and the esteemed Professor Head of the Asia Pacific Division of the UNESCO Chair in Bioethics at HAIFA. The committee responsible for the establishment of the unit was formed under the auspices of the UNESCO Chair in Bioethics- HAIFA.



The event was attended by numerous dignitaries, including MD Santosh University, Dr. Sharmila Anand, Vice Chancellor, Dr. Y. Tripathi, Dean of Santosh Dental College, Dr. Manoj Goyal, Vice Dean of Santosh Dental College, Dr. Rajiv Ahluwalia (Secretary of the National Dental Bioethics Committee), as well as the heads of respective departments, faculty members, postgraduate and undergraduate students.

The inauguration ceremony was a resounding success, with the highlight being a captivating flash mob performance by the talented students of Santosh Dental College. The flash mob, a carefully choreographed and synchronized dance routine, took everyone by



surprise. With their energetic moves, coordinated formations, and infectious enthusiasm, the students transformed the ambiance into an electric atmosphere of joy and celebration. The flash mob was a true testament to the creativity, teamwork, and talent of the students at Santosh Dental College.

The flash mob performance was not only a source of entertainment but also served a deeper purpose. It effectively conveyed the message of unity, harmony, and the importance of ethical practices in the field of dentistry. By using dance as a medium of expression, the students managed to engage the audience and create a memorable experience that highlighted the significance of the National Dental Bioethics Unit UNESCO-Haifa.



Video Made by Students of Santosh Deemed to be University (<https://www.youtube.com/watch?v=ro1760fzBKA&t=116s>)

The impact of the flash mob extended beyond the boundaries of the event itself. A video of the flash mob performance was uploaded to YouTube, where it quickly gained traction and

NATIONAL DENTAL BIOETHICS PROGRAM'16



garnered numerous views. The video showcased the enthusiasm and talent of the students, captivating viewers from around the world. It became a source of inspiration for aspiring dental students and professionals, as well as a symbol of the vibrant and dynamic community at Santosh Dental College. The overwhelming response to the flash mob video on YouTube further amplified the reach and impact of the National Dental Bioethics Unit UNESCO-Haifa inauguration. It served as a powerful testament to the college's commitment to creativity, innovation, and the promotion of ethical practices in the dental profession.

The success of the flash mob and the subsequent inauguration ceremony solidified Santosh Dental College's reputation as a hub of talent, ambition, and dedication. The event

showcased the college's commitment to nurturing an environment that encourages not only academic excellence but also the development of well-rounded individuals who understand the importance of ethical considerations in their future dental careers. With the support of UNESCO and the enthusiasm displayed by the students, faculty, and esteemed guests, the National Dental Bioethics Unit UNESCO-Haifa at Santosh Dental College is poised to become a beacon of excellence in the field of dental education and ethical practices. The flash mob performance, captured in the popular YouTube video, will continue to inspire and engage audiences, spreading the message of bioethics and the remarkable achievements of Santosh Dental College far and wide.



REGIONAL INFLUENCE



THE ETHICAL GAP @SHARDA UNIVERSITY

The School of Dental Sciences at Sharda University organized a thought-provoking webinar on May 22nd, 2020, delving into the intriguing topic of "The Ethical Gap." This engaging event aimed to shed light on the fundamental bioethical principles while exploring the ethical dilemmas faced by the dental profession during the unprecedented COVID-19 pandemic.

Dr. Rajiv Ahluwalia, Vice Dean of Santosh Dental College, Santosh deemed to be University, Ghaziabad, and the Head of the National Dental Bioethics Programme of the UNESCO Chair in Bioethics, graced the occasion as the esteemed speaker. With his vast knowledge and expertise in the field, Dr. Ahluwalia provided an insightful overview of the basic bioethical principles, emphasizing their significance in the dental profession.

The event was skillfully coordinated by Dr. M. Siddharth, the Dean of the School of Dental Sciences. Under his guidance, the webinar successfully accomplished its objectives of familiarizing the attendees with the core principles of bioethics and initiating discussions on the ethical dilemmas encountered in dentistry amid the global pandemic.

Dr. Sukhdeep Singh, the Director of SEA@SDS,

expertly moderated the webinar, ensuring that the discussions remained focused and fruitful. His astute guidance facilitated a comprehensive understanding of the ethical challenges faced by dental practitioners during these unprecedented times.

Schedule of the webinar:
Topic: The Ethical Gap
Date: 22nd May 2020
Time: 4:00 p.m. to 5:00 p.m.

The webinar provided a platform for dental professionals, researchers, and students to explore the ethical dimensions of their practice during the COVID-19 pandemic. By addressing bioethical dilemmas specific to dentistry, the event aimed to bridge the ethical gap and foster a deeper understanding of the ethical responsibilities and decision-making processes within the dental community.

Santosh Deemed To Be University, takes pride in conducting events that facilitate intellectual growth and promote ethical awareness among dental professionals. The webinar on "The Ethical Gap" was another valuable addition to their series of insightful initiatives, providing a platform for knowledge sharing and critical thinking in the dental field.



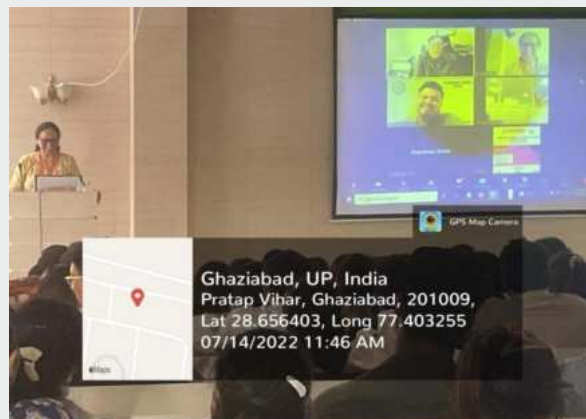
BIOETHICS DAY

On July 14th, 2022 the Student Wing of Bioethics at Santosh Deemed to be University took the medical community by storm with their highly anticipated Bioethics Day. Open to medical and dental students alike, the conference saw a staggering attendance of over 220 enthusiastic participants eager to gain knowledge on the ethical practices in medicine.

The keynote speaker esteemed Dr. Russell D'Souza, Chair of the Department of Education at the International Unit of Bioethics, connected with the audience via a Zoom meeting all the way from Australia. Dr. D'Souza expertly addressed the ethical challenges faced in laboratory medicine, enlightening the students on the importance of upholding ethical principles in their professional lives.

Dr. Jyoti Batra, Dean of Research and Head of the Bioethics Unit, took the stage to deliver an engaging speech that shed light on the introduction, significance, and advancements of Bioethics in the daily lives of students pursuing careers in medicine. Dr. Batra's words resonated deeply, inspiring the attendees to consider the ethical dimensions of their chosen profession.

The inauguration ceremony, conducted flawlessly in an online format, was followed by an insightful presentation by Dr. Sudip Kumar Datta, Additional Professor in the Department of Laboratory Medicine at AIIMS, New Delhi. Dr. Datta's vivid presentation titled 'Bioethics in Laboratory Medicine' captivated the audience, providing them with a comprehensive understanding of the ethical implications within this field.



BIOETHICS DAY



Dr. Rajiv Ahluwalia, Vice Dean of Dental Sciences, took the stage to emphasize the importance of addressing the ethical issues that arise in medicine and life sciences. Engrossed in lively discussions, the audience actively participated in exploring various scenarios that challenged their ethical sensibilities.

The conference culminated in a delightful felicitation ceremony, where mementos were presented as tokens of appreciation to the esteemed guest speakers, Dr. Sudip Datta, Dr. Rajiv Ahluwalia, and mentor Dr. Jyoti Batra. Certificates were awarded to Dr. Chetna Arora, the Secretary of the Bioethics Unit, as well as the faculty advisory board members, Dr. Kanika Bhalla and Mr. Gaurav Srivastav. Student advisory board members Kshitej Malhotra, Ronita Dey, Arjit Bansal & Bhawna were also honored with certificates for their valuable contributions. Additionally, certificates were presented to the Head and

Secretary of the Student Wing, batch representatives, and executive members.

The event drew to a close with a heartfelt vote of thanks delivered by Sarthak Garg, Secretary of the Students' Wing of Bioethics. It was evident that the students present had gained a wealth of knowledge and understanding of ethics that they would carry with them in their daily lives.

Overall, the conference proved to be a resounding success, fostering a deeper appreciation for the principles of bioethics among the attendees. Santosh Deemed to be University can proudly reflect on this event as a testament to its commitment to nurturing ethical practices in the medical community. As the students embark on their professional journeys, it is our hope that they will embody the lessons learned during this enlightening conference, integrating ethics seamlessly into their future endeavors.

A REFLECTION ON ETHICAL PRACTICES IN HEALTHCARE

On 19th October 2022, the college commemorated World Bioethics Day with great enthusiasm and a multitude of engaging activities. The event served as a platform for students and faculty to explore and discuss important ethical considerations within the field of healthcare. The day was filled with informative competitions, enlightening presentations, and creative expressions of ethical values.

The event commenced with a thought-provoking debate competition on the topic "Surrogated Motherhood - Boon or Bane." Eight participants, divided into two groups of four, passionately presented their arguments for and against the motion. The insightful debate shed light on the complexities and ethical dilemmas surrounding surrogacy, leaving the audience with a deeper understanding of the topic.

Following the debate, a stimulating quiz on the "Principles of Bioethics" captivated the attention of over 20 participants. With a time limit of 25 minutes, the participants showcased their knowledge and understanding of the fundamental principles that guide ethical decision-making in healthcare. The quiz not only tested their knowledge but also encouraged further exploration of bioethical principles.

One of the highlights of the day was the poster presentation, where participants creatively displayed their research and ideas related to bioethics. Each participant had an opportunity to explain their poster to the judges, offering valuable insights into a range



of bioethical topics. The poster presentation demonstrated the participants' commitment to raising awareness and fostering discussions on ethical matters in healthcare.

The event continued with a captivating keynote address by Dr. Rani Srivastava, HOD and Professor of the Department of Clinical Psychology. Dr. Srivastava's expertise and experience added immense value as she delivered a powerful presentation on "Social Responsibility and Health." Her talk emphasized the vital role that ethics play in

WORLD BIOETHICS DAY



promoting social responsibility within the healthcare system, urging the audience to prioritize ethical considerations in their professional endeavors.

Adding an element of creativity to the proceedings, the event featured an educational skit prepared and performed by the MBBS and BDS students. The skit served as a reminder of the ethical values and conduct that should be upheld in clinical practice. Through engaging performances, the students highlighted the importance of compassion, patient autonomy, and informed consent, leaving a lasting impression on the audience.

The day concluded with a gesture of appreciation and environmental

consciousness as saplings were presented to the leadership and faculty members associated with bioethics. This symbolic act served as a reminder of the interconnectedness between ethical practices and the well-being of both individuals and the environment.

The World Bioethics Day celebration brought together students, faculty, and professionals to explore the ethical dimensions of healthcare. The event fostered intellectual discussions, promoted critical thinking, and instilled a sense of responsibility among attendees. It served as a testament to the college's commitment to ethical practices and the advancement of bioethics in healthcare.



SANTOSH
Deemed to be University



BIOETHICS IN DENTISTRY

Date: Wed- Fri 19th - 21st April, 2023

EVENTS



RANGOLI MAKING



DEBATE



LOGO DESIGNING



QUIZ



GUEST LECTURE

1/2

The event that brought together the brightest minds, the most talented individuals, and the creative souls of our esteemed college. This extraordinary occasion celebrated the intersection of ethics, dentistry, and innovation, paving the way for insightful discussions, thrilling competitions, and awe-inspiring artistic displays. With the guidance of esteemed mentors and the enthusiastic participation of our students, this event showcased the brilliant minds and talents within our college.

The quiz competition set the stage for an intense battle of knowledge and skills. Participants from seven teams showcased their prowess, competing in challenging rounds like "Spin the Wheel" and "Bowl of Bonus," leaving the audience on the edge of their seats.

In the "ultimate battle of wits," the debate competition witnessed passionate arguments from thirteen participants who eloquently defended their stands on various topics. The finalists captivated the judges with their unique perspectives and critical thinking abilities.

The logo designing competition brought forth extraordinary creativity, as participants across different courses presented 33 stunning entries. The rangoli-making competition



transformed the corridor into a vibrant canvas, displaying the artistic flair of our students.

The main event, hosted by Dr. Nidhi Gupta, commenced with a powerful message and a stimulating lecture on research in bioethics by Dean Research, Dr. Jyoti Batra.

Esteemed guests, including Vice Chancellor Dr. Tripta Bhagat and Dean Dental Dr. Akshay Bhargava, graced the occasion with their presence, adding wisdom and insight to the event. The lamp lighting ceremony invoked the blessings of goddess Saraswati, symbolizing the pursuit of knowledge.

The inaugural ceremony of the college magazine's newsletter and the launch of the fashion society "Inayat" added moments of joy and celebration, further enriching the event.



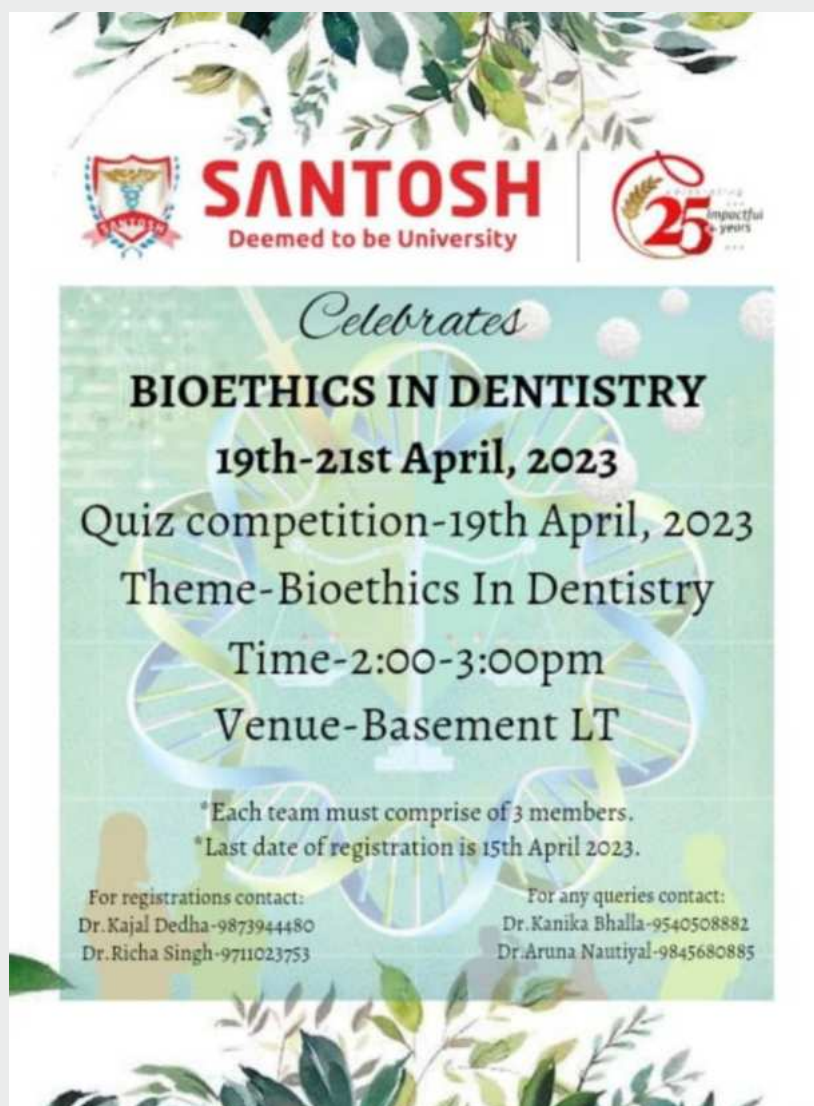
QUIZ COMPETITION



With all the thinking caps on, the quiz competition left everyone on the edge of their seats! Under the guidance of the Dr. Kanika Bhalla and Dr. Aruna Nautiyal, students battled it out in two rounds of intense competition.

On 19 April'23, the preliminary round saw 'seven' teams compete, where the participants received an exemplary platform to flaunt their knowledge and skills, while also learning new things, but only 'three' were selected to move on to the grand finale, which was held on 21 April'23. The competition was fierce, with challenging rounds such as "Spin the Wheel," "Bowl of Bonus," and the "Judge's Verdict."

The event was attended by over 200 enthusiastic students, who cheered on the competing teams and soaked up the electric atmosphere. And when the dust settled, Prithu Sharma, D.Anirudh and Bhawna Mishra emerged victorious, taking home the well-deserved certificates.



QUIZ COMPETITION





DEBATE COMPETITION

The preliminary round for the “ultimate battle of wits” was conducted on 20 April’23 under the mentorship of Dr. Amit Garg, Dr. Chetna, and Dr. Shristi Agarwal, ‘thirteen’ participants squared off, where they were given a range of topics to speak in favor of or against the motion.

The participants were judged based on a range of criteria, including the relevance and effectiveness of their arguments, their unique perspectives, and their ability to defend their stand. Only four amidst thirteen could make it to the final round, which was held on on April 21st, 2023.

The four finalists were divided into two groups, and each group was given a topic to argue for and against. The competition was fierce, and the judges, Dr. PuneetKumar, Dr. Rajiv Kumar Gupta, Dr. Priyanka Aggarwal, and Dr. Nishant Gupta, had their work cut out for them in determining the winner.

After an intense competition, the winners of the debate competition were announced, and the crown went to none other than BDS students, “Sia Saxena” and “Labhanshi”.

This competition provided an exceptional opportunity for students to hone their analytical and critical thinking skills, as well as to showcase their public speaking abilities.

SANTOSH
Deemed to be University
(Established in 1983 by the UGC Act, 1956)

Celebrates
BIOETHICS IN DENTISTRY
19th-21st April 2023
Debate Competition- 20 April 2023
Theme- Bioethics in dentistry
Time- 11-12:30pm
Venue: LT 1

TOPICS:
Implant Vs Natural Tooth
Online Teaching in dentistry
Dentist under Consumer Court
Social Media in Dental Advertisement
Specialised treatment by Non Specialist

RULES:
Duration- 5 min/ speaker
* Max. 4 participants for each topic
* Participant will be disqualified if exceeds time limit or usage of improper language
* Last date of registration is 15th April 2023

For registrations:
Dr Shristi Agarwal: 9582974827
Dr. Deepthi Srivastava: 9140011907

Any other queries:
Dr. Amit Garg: 8860451667
Dr. Chetna Arora: 9643071447



DEBATE COMPETITION



LOGO MAKING



Extraordinary ingenuity and creativity was on display during the logo designing competition, which was held on April 19th, 2023, and the results were nothing short of spectacular. The ones, making this event a resounding success were Dr. Priyanka Aggarwal and Dr. Shreya Singh.

Participants from across the undergraduate, postgraduate, and paradecimal courses demonstrated their immense talent and dedication, as they presented a staggering 33 entries for consideration. The logos were evaluated by our esteemed judges, Dr. Shweta Bali and Dr. Natasha Gambhir, who assessed them based on criterias such as relevance, description, appeal, uniqueness, and effectiveness.

Wide range of distinctive and captivating ideas were showcased on the theme of Bioethics in Dentistry in a myriad of creative ways.

After much deliberation, the winners of the competition were announced, and the title went to none other than 1st Year BDS student, Akshat Kushwaha! As a reward for his outstanding achievement, he was awarded Rs. 2000/- in cash, while Sia Saxena of 3rd year BDS turned out to be the first runner up followed by BDS Intern Neha.

The competition was a true testament to the incredible talent and creativity that exists within our student body.

SANTOSH
DENTAL COLLEGE & HOSPITAL
Celebrates
BIOETHICS IN DENTISTRY 19-21 APRIL
LOGO Designing Competition

For UG, PG and Paradecimal
Instructions for the participants

Please mention your full name, year, course, department and mobile number while registering. LOGO should be based on the theme - **"Bioethics In Dentistry"**.

LOGO Specifications

Handmade on chart paper.

All mediums can be used (pen, pencils, markers, crayons, paint, print, cartoon and doodle etc.).



Participants are encouraged to make their Logo on theme based.

Each participant can submit **ONLY ONE LOGO**.

LAST DATE OF REGISTRATION: 13 April 2023

LAST DATE OF SUBMISSION: 15 April 23

Each Participant will be awarded certificate

LOGO MAKING





Students Entries



RANGOLI MAKING



The entire corridor was filled with vibrant colors and intricate designs as our students competed in a rangoli-making competition on March 19th, 2023 led by Dr. Natasha Gambhir and Dr. Divya Singh, the event was a true celebration of the artistic talent and creativity of our students.

Everyone gathered to showcase their artistic flair, each vying for the top prize. With a wide range of colors, patterns, and designs to choose from, the students set to work, creating stunning and intricate rangolis that left the judges in awe.

After much deliberation, the winner of the competition was finally announced. The title went to Dipti, Monica and Vidhi of BDS 3rd year.

SANTOSH
Deemed to be University
(Established u/s 3 of the UGC Act, 1956)

CELEBRATES

BIOETHICS IN DENTISTRY
19TH - 21ST APRIL

Rangoli competition - 20th April
Theme - Bioethics in Dentistry
Time - 10:00 am - 12:00 pm
Venue - Ground Floor Corridor

** Max Participants per group: 3-4
Carry your own required materials

Last date for registration - 15th April, 2023

For registration contact:
Dr. Achla Goel- 9811019845
Dr. Mamta Yadav- 8693835684

For queries contact:
Dr. Natasha Gambhir- 9871966965
Dr. Divya Singh- 7566298991

RANGOLI MAKING





THE DAY

On the 19th of April 2023, Santosh Dental College celebrated Bioethics Day with great enthusiasm and zeal. The day started with a powerful message by Dr. Russelle, followed by a stimulating lecture on research in bioethics by Dr. Jyoti Bhatra. The audience was captivated by the lecture, which sparked conversations and discussions among the students.

Dr. Rajiv Ahluwalia, a renowned dentist and bioethicist, then took the stage and spoke about bioethics in dentistry. His insights were thought-provoking, and students gained valuable knowledge about the ethical considerations in dental practice.

The college leadership team was welcomed on stage with much applause, and they shared their experiences and wisdom as leaders. The brooch planter ceremony was a highlight, where the leadership team planted brooches to symbolize the growth and development of the college.

The lamp lighting and Saraswati Vandana added a touch of spirituality and reverence to the event. The Vice Chancellor and Dean of the Dental College gave inspiring speeches about the importance of bioethics in the dental field.

The event culminated with a group photo and a fun-filled nukkad natak by the students. The audience was in high spirits as they sang the national anthem together, marking the end of the event.

The college extends a heartfelt thanks to the leadership team for their guidance and support in organizing such a successful event. Bioethics Day was truly a day of inspiration and leadership, leaving the students with new insights and a deeper understanding of the ethical considerations in dentistry.



THE DAY

MOMENTS AT GLANCE





We take great pride in recognizing the distinguished achievements of our esteemed Organizing Chairman, Dr. Neeraj Grover, and the esteemed Head of the Department of Endodontics Dr Sumita Giri Nishad, alongside a cohort of exceptional PG and UG students. Their notable accomplishments encompass the successful completion of the esteemed UNESCO Bioethics, HAIFA online course. This accolade stands as a testament to their unwavering dedication to the exploration and application of ethical principles within the field of healthcare. Their commendable attainment enriches both our institution and the broader academic community, serving as a beacon of scholarly excellence and ethical integrity.





Department of Education
INTERNATIONAL PROGRAM
INTERNATIONAL CHAIR IN BIOETHICS,
(University of Porto, Portugal)

Certificate

This is to certify that
having successfully completed the requirements
DR. ANAMIKA SHARMA
has been awarded the

THE INTERNATIONAL CERTIFICATE ON PRINCIPLES OF
BIOETHICS AND HUMAN RIGHTS OF THE UNESCO UNIVERSAL
DECLARATION ON BIOETHICS AND HUMAN RIGHTS IN
MEDICAL AND HEALTH SCIENCE EDUCATION
In witness thereof
The sign and seal of the Governing Council

 Prof. Russell F. Sousa Director, Dept of Education, Australia	 Prof. Mary Mathew Co-Chair, India	 Prof. Gerhard Fortwengel Co-Chair, Germany
 Prof. Derek SJ Sousa Co-Chair, India	 Prof. Kristen Jones-Bonfigli Co-Chair, Canada	 Prof. Joseph Thornton Co-Chair, USA

Date: 6th AUGUST 2022



Department of Education
INTERNATIONAL PROGRAM
INTERNATIONAL CHAIR IN BIOETHICS,
(University of Porto, Portugal)

Certificate

This is to certify that
having successfully completed the requirements
DR. SHIVANGI SHUKLA
has been awarded the

THE INTERNATIONAL CERTIFICATE ON PRINCIPLES OF
BIOETHICS AND HUMAN RIGHTS OF THE UNESCO UNIVERSAL
DECLARATION ON BIOETHICS AND HUMAN RIGHTS IN
MEDICAL AND HEALTH SCIENCE EDUCATION
In witness thereof
The sign and seal of the Governing Council

 Prof. Russell F. Sousa Director, Dept of Education, Australia	 Prof. Mary Mathew Co-Chair, India	 Prof. Gerhard Fortwengel Co-Chair, Germany
 Prof. Derek SJ Sousa Co-Chair, India	 Prof. Kristen Jones-Bonfigli Co-Chair, Canada	 Prof. Joseph Thornton Co-Chair, USA

Date: 6th AUGUST 2022



Department of Education
INTERNATIONAL PROGRAM
INTERNATIONAL CHAIR IN BIOETHICS,
(University of Porto, Portugal)



Certificate

This is to certify that
having successfully completed the requirements
DR. AYUSHI JAIN
has been awarded the

THE INTERNATIONAL CERTIFICATE ON PRINCIPLES OF
BIOETHICS AND HUMAN RIGHTS OF THE UNESCO UNIVERSAL
DECLARATION ON BIOETHICS AND HUMAN RIGHTS IN
MEDICAL AND HEALTH SCIENCE EDUCATION
In witness thereof
The sign and seal of the Governing Council

 Prof. Russell F. Sousa Director, Dept of Education, Australia	 Prof. Mary Mathew Co-Chair, India	 Prof. Gerhard Fortwengel Co-Chair, Germany
 Prof. Derek SJ Sousa Co-Chair, India	 Prof. Kristen Jones-Bonfigli Co-Chair, Canada	 Prof. Joseph Thornton Co-Chair, USA

Date: 6th AUGUST 2022


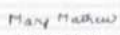


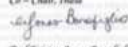
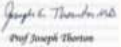


Department of Education
INTERNATIONAL PROGRAM
INTERNATIONAL CHAIR IN BIOETHICS,
(University of Porto, Portugal)

Certificate

This is to certify that
having successfully completed the requirements
AROOPA NAFIS SIDDIQUI
has been awarded the

THE INTERNATIONAL CERTIFICATE ON PRINCIPLES OF
BIOETHICS AND HUMAN RIGHTS OF THE UNESCO UNIVERSAL
DECLARATION ON BIOETHICS AND HUMAN RIGHTS IN
MEDICAL AND HEALTH SCIENCE EDUCATION
In witness thereof
The sign and seal of the Governing Council

 Prof. Russell F. Sousa Director, Dept of Education, Australia	 Prof. Mary Mathew Co-Chair, India	 Prof. Gerhard Fortwengel Co-Chair, Germany
 Prof. Derek SJ Sousa Co-Chair, India	 Prof. Kristen Jones-Bonfigli Co-Chair, Canada	 Prof. Joseph Thornton Co-Chair, USA

Date: 6th AUGUST 2022



In a momentous occasion, all the participating students and faculty members were honored with an emblem that has become an integral part of their daily lives. This emblem proudly represents their affiliation with the esteemed National Dental Bioethics Unit, a testament to their commitment to ethical excellence.

The brooches embody the core values of our institution and serve as constant reminders of responsibility and dedication. Meticulously crafted, they exemplify the spirit of the Unit, renowned for fostering ethical practices in dentistry.

Beyond their visual appeal, these brooches symbolize a collective unity, upholding the highest standards of dental bioethics. Each detail reflects the unwavering pursuit of ethical excellence undertaken by unit participants.

Transcending their role as adornments, the brooches foster camaraderie and a shared commitment among students and faculty. They ignite honor and distinction, becoming beacons of ethical conduct in the dental community.

The conferment of these brooches marks a milestone in the history of our institution and in the lives of their recipients. They serve as reminders of the dedication and fortitude of those associated with the Bioethics Unit.

These emblems are more than symbols; they are emblems of distinction and unwavering dedication to ethical excellence. They leave an indelible mark upon dental education, inspiring future generations to embrace the noble path of ethical dentistry.



Students radiating awareness through adorned batches





NATIONAL AWARENESS

LET'S BE THE CHANGE

@ ALL INDIA INSTITUTE OF MEDICAL SCIENCES, DELHI

On the 13th of February, 2017, a ground breaking event took place in the field of dentistry. The All India Institute of Medical Sciences (AIIMS) collaborated with the National Dental Bioethics Unit of Santosh Deemed to be University to organize a seminar titled "Dental Bioethics - Let's Be the Change." This event brought together eminent speakers from various backgrounds to discuss the importance of bioethics in dentistry and the principles that dental professionals should adhere to in their practice, research, and publications.

The seminar began with an introduction of the distinguished speakers, each of whom brought their unique expertise and insights to the table. Dr. Mary Mathew, the National Head of the Bioethics Program in Haifa, opened the discussion with a talk on the basic principles of biomedical ethics. Dr. Rajiv Ahluwalia, the Secretary of the National Dental Bioethics Unit and UNESCO Chair in Bioethics in Haifa, followed with a presentation on ethics in dental practice. Dr. Ritu Duggal, a Professor of Orthodontics at the Centre for Dental Education and Research (CDER) in AIIMS, spoke about ethics in dental research. Finally, Dr. Vijay Mathur, a Professor in the



Department of Pedodontics at CDER, AIIMS, addressed the topic of ethics in scientific publication.

As the speakers conversed and shared their knowledge, the importance of bioethics in dentistry became increasingly evident. The field of dentistry, like any other medical profession, is fraught with ethical dilemmas and challenges. Dental professionals must navigate these complexities while providing the best possible care to their patients. The seminar highlighted the need for a strong ethical foundation in dental practice, research, and publication, emphasizing the role of bioethics in shaping the future of dentistry.

Dr. Mary Mathew's presentation on the basic principles of biomedical ethics laid the groundwork for the discussions that followed. She emphasized the four key principles that should guide dental professionals in their work: autonomy, beneficence, non-maleficence, and justice. Autonomy refers to the patient's right to make informed decisions about their treatment, while beneficence and non-maleficence involve the obligation to do good and avoid harm, respectively. Lastly, justice requires that dental professionals treat all patients fairly and equitably.

Dr. Rajiv Ahluwalia's talk on ethics in dental practice delved deeper into the practical application of these principles. He discussed





LET'S BE THE CHANGE

the importance of informed consent, patient confidentiality, and the need for dental professionals to maintain their competence through continuous learning. Dr. Ahluwalia also highlighted the ethical challenges that may arise in dental practice, such as conflicts of interest and the commercialization of dentistry, urging practitioners to remain vigilant and uphold the highest ethical standards.

Dr. Ritu Duggal's presentation on ethics in dental research underscored the need for rigorous ethical oversight in the conduct of research involving human subjects. She emphasized the importance of obtaining informed consent from research participants, ensuring their privacy and confidentiality, and adhering to the principles of scientific integrity. Dr. Duggal also discussed the role of institutional review boards in safeguarding the ethical conduct of research and the need for researchers to be transparent about their funding sources and potential conflicts of interest.

Dr. Vijay Mathur's talk on ethics in scientific publication addressed the responsibility of authors, editors, and reviewers in maintaining the integrity of the scientific literature. He discussed the issues of plagiarism, data fabrication, and data falsification, stressing the importance of honesty and transparency in the reporting of research findings. Dr. Mathur also highlighted the role of peer review in ensuring the quality and credibility of published research, calling for a commitment to fairness, objectivity, and confidentiality in the review process.

The "Dental Bioethics - Let's Be the Change"

seminar was a significant milestone in the field of dentistry, providing a platform for the discussion and dissemination of knowledge on bioethics. The event, conducted at CDER, AIIMS, and supported by the World Health Organization (WHO) and the Global Alliance as knowledge partners, served as a catalyst for change, inspiring dental professionals to embrace ethical principles in their practice, research, and publications.

At the end "Dental Bioethics - Let's Be the Change" seminar was a landmark event that brought together experts in the field to discuss the importance of bioethics in dentistry. The speakers advocated for the adherence to the four principles of biomedical ethics and emphasized the need for dental professionals to be vigilant in upholding ethical standards in their work. The seminar served as a call to action for the dental community, urging them to be the change they wish to see in the world of dentistry. By embracing bioethics and committing to continuous learning, dental professionals can ensure a brighter, more ethical future for their field.



BIOETHICON: SRM UNIVERSITY, TAMIL NADU



The three-day International Conference on Bioethics in Health Science, Bioethicon 2019, was an exhilarating event that brought together experts, researchers, and students from around the world to discuss and explore the ethical dimensions of healthcare. Organized by the UNESCO Chair in Bioethics Asia Pacific Division and SRM Medical College Hospital & Research Centre, the conference was a testament to the tireless efforts and initiative of Dr. N Vivek, who played a pivotal role in ensuring its success.

The event commenced with a general outline, setting the stage for the distinguished guests and speakers who would contribute their knowledge and expertise to the conference. The impressive line up of individuals who made the event a resounding success included Dr. Sushil Gupta, Member of Parliament, India, who graced the occasion as the guest of honor. Prof. Russell D'Souza, Head of the Asia Pacific Bioethics Program and UNESCO Chair in Bioethics, Melbourne, Australia, delivered the keynote address, setting the tone for the insightful discussions that would follow.

Dr. N Vivek, Dean, Professor, and Head of Oral & Maxillofacial Surgery at SRM Kattankulathur Dental College, served as the Organizing Chair for the Dental segment of the conference. Dr. Mary Mathew, India Head of the National Bioethics Program and International Network of the UNESCO Chair in Bioethics (HAIFA), was

a guest speaker, along with Prof. Dr. Neelima Malik, Former Vice Chancellor of Krishna Institute of Medical Sciences "Deemed to be University," Karad, Maharashtra, India, and Consultant Oral and Maxillofacial Surgeon in Mumbai.

Other notable guest speakers included Dr. Derek D'Souza, Director of the National Bioethics Curriculum Implementation Centre at MIMER Medical College, Talegaon, Pune, and Dr. (Prof) Rajiv Ahluwalia, Head of the National Dental Bioethics Program, Vice Dean at Santosh Dental College, and Santosh Deemed to be University. Dr. Ahluwalia also oversaw a workshop on 'Communication and Ethics in Dentistry.'

The conference was marked by a series of captivating lectures on bioethics in dentistry, delivered by the esteemed guest speakers. These lectures delved into various aspects of bioethics, such as the ethical considerations in dental practice, the importance of informed consent, and the role of cultural sensitivity in providing dental care. The speakers also touched upon the challenges faced by dental professionals in balancing the need for effective treatment with the ethical obligation to respect patient autonomy and dignity.

One of the highlights of Bioethicon 2019 was the sheer scale of the event, which attracted over 3,500 international delegates, 20



keynote speakers, and 4000 students. The conference also featured the presentation of 475 scientific research papers, showcasing the latest advancements and discoveries in the field of bioethics. The event was meticulously organized, with a well-planned schedule that allowed for ample time for networking, discussions, and the exchange of ideas among the attendees.

The conference also provided a unique platform for the exploration of various interesting points on bioethics. For instance, the ethical implications of emerging technologies in dentistry, such as the use of artificial intelligence and robotics, were discussed. The speakers emphasized the need for dental professionals to stay abreast of these developments and to consider the potential ethical dilemmas that may arise as a result.

Another fascinating topic that emerged during the conference was the concept of "dental justice," which refers to the equitable distribution of dental care resources and the need to address disparities in access to dental services. The speakers highlighted the



importance of recognizing and addressing the social determinants of oral health, as well as the role of dental professionals in advocating for policies that promote dental justice.

Concluding our view Bioethicon 2019 was a landmark event that not only showcased the latest research and developments in the field of bioethics but also provided a forum for the exchange of ideas and knowledge among experts, researchers, and students. The conference was a testament to the power of collaboration and communication in advancing the understanding of ethical issues in healthcare. The success of the event can be attributed to the dedication and hard work of the organizers, speakers, and attendees, who came together to create a memorable and enriching experience for all involved.

Name	Designation	
Dr. Sushil Gupta	Member of Parliament, India	Guest of Honour
Prof. Russell D' Souza	Head Asia Pacific Bioethics Program UNESCO Chair in Bioethics, Melbourne Australia	Keynote address
Dr. N Vivek	Dean, Prof and Head, Oral & Maxillofacial Surgery SRM Kattankulathur Dental College	Organizing chair- Dental
Dr. Mary Mathew	India Head, National Bioethics Program International Network of the UNESCO Chair in Bioethics (HAIFA)	Guest Speaker
Prof. Dr. Neelima Malik	Former Vice Chancellor, Krishna Institute of Medical Sciences "Deemed to be University", Karad, Maharashtra, India. Consultant Oral and Maxillofacial Surgeon. Mumbai	Guest Speaker
Dr. Derek D' Souza	Director, National Bioethics Curriculum Implementation Centre MIMER Medical College, Talegaon, Pune	Guest Speaker
Dr. (Prof) Rajiv Ahluwalia	Head, National Dental Bioethics Program Vice Dean, Santosh Dental College Santosh aDeemed to be University	Workshop on 'Communication and Ethics in Dentistry'

BRIDGING THE ETHICAL GAP

The resplendent Rajasthan Dental College orchestrated an enthralling symposium on the 31st of March, 2020, delving into the captivating realm of "Bioethics - Bridging the Ethical Gap." This remarkable event was dedicated to exploring the convergence of bioethics and the ongoing endeavors to surmount ethical disparities across diverse domains. In this edition, we plunge into the fundamental hurdles, stratagems, and initiatives aimed at fostering ethical conduct within the sphere of bioethics.

The eminent speakers, Dr. Rajiv Ahluwalia, Vice Dean of Santosh Dental College, Santosh Deemed to be University, Ghaziabad, and Dr. Rohit Adyanthaya, the illustrious principal of Rajasthan Dental College, exuded an aura of enchantment, rendering the event all the more unforgettable and noteworthy. Leveraging his vast expertise and profound erudition, Dr. Ahluwalia illuminated the critical concerns and embarked on a journey to bridge the ethical chasm collectively.

The coordinators, Dr. Shikha Singh and Dr. Chiraanjeeve Singh, demonstrated commendable proactivity in orchestrating this event. Under their astute guidance, the attendees were enlightened about the paramount significance of bridging the

bioethical divide. This noble pursuit upholds human rights, fosters responsible innovation, tackles ethical quandaries, instills trust and confidence, ensures parity and justice, and prepares individuals to confront the ethical quandaries of the future. The event blossomed into a highly interactive experience, courtesy of the enthusiastic participation of over 97 attendees, encompassing both students and esteemed faculty members. Their collective involvement added an extra dimension of vitality and fervor to the webinar. This remarkable webinar provided a fertile platform for experts and participants to engage in profound discussions, shed light on ethical conundrums, and explore strategies to foster an ethical and inclusive healthcare landscape. We extend our heartfelt gratitude for the invaluable contributions from our esteemed speakers, the active participation of attendees, and the skillful coordination of this event. The webinar truly exemplified the potency of collaboration and the transformative potential in addressing bioethical challenges. Here at Santosh Deemed to be University, we take immense pride in our prowess to orchestrate events that leave an indelible mark, creating unforgettable experiences and nurturing ethical awareness among dental professionals.



Convenor : Dr Rohit Adyanthaya, Principal

Moderator : Dr. Anup Hola

Co-ordinators : Dr Shikha Singh
Dr Chiranjeeve Singh

Participants : 97 participants including students & faculty attended.

RESEARCHGENICS-2020

We are thrilled to share our experience on a webinar ResearchGenics, a three-day research symposium conducted by Manav Rachna Dental College. The event, held from October 22nd to October 24th, 2020, aimed to inspire and educate dental professionals and students about the latest trends and advancements in the field of dental research.

The webinar commenced with a vibrant inauguration ceremony,, graced by esteemed dignitaries and renowned researchers , delivered an inspiring keynote address, emphasizing the significance of research in driving innovation and improving patient care. The participants were energized and motivated to make the most of this enriching event.

The second day of ResearchGenics was dedicated to interactive workshops and captivating paper presentations. Experts from various dental specialties conducted engaging workshops, covering topics such as research methodology, data analysis, and scientific

writing. These sessions equipped participants with practical skills and knowledge to strengthen their research endeavors.

Parallely, researchers and students had the opportunity to present their research findings through informative paper presentations. The virtual platform facilitated meaningful discussions and constructive feedback, nurturing an environment of intellectual exchange and growth.

The highlight of the final day was the highly anticipated guest lecture by Dr. Rajiv Ahluwalia, an eminent figure in the field of dentistry and research. Dr. Ahluwalia shared his invaluable insights and expertise on the future of dental research, exploring emerging trends and potential breakthroughs. Participants were captivated by his profound knowledge and vision, leaving them inspired to push the boundaries of dental research.

The interactive workshops conducted during the webinar saw your active involvement and willingness to learn. Your enthusiasm in acquiring practical research skills, such as research methodology, data analysis, and scientific writing, was truly commendable. The insightful questions you posed and the discussions you initiated enriched the learning experience for everyone involved.

We would like to extend our heartfelt gratitude and appreciation to the entire team at Manav Rachna Dental College for organizing the remarkable ResearchGenics webinar. It is with great pleasure and satisfaction that we express our sincere thanks for providing us with an exceptional opportunity to participate in this enlightening event.





SGT UNIVERSITY, HARYANA

QUINTESSENTIAL'22

The UNESCO Bioethics Unit of SGT University, in collaboration with the International Chair in Bioethics, organized an intellectually stimulating event, the International Seminar on Contemporary Bioethical Issues - "Quintessential Ethics 2022," on 13th August 2022. This prestigious event saw the active participation of renowned speakers from both India and abroad, including Dr. Rajiv Ahluwalia, Vice Dean of Santosh Deemed To be University.

The seminar served as a platform for profound discussions on various contemporary ethical issues that hold significant relevance in today's world. Distinguished experts shed light on a wide range of topics, including the role of ethics in the National Education Policy 2020, the integration of sustainable development goals with education, ethical considerations in times of war, the perspectives of ethics in healthcare during pandemics, the challenges posed by ethics in the digital era, understanding vulnerability-related ethical issues for healthcare professionals, and the complexities of end-of-life care.

The presence of Santosh Deemed To be University's esteemed Vice Dean, Dr. Rajiv Ahluwalia, among the eminent speakers showcased the university's commitment to fostering ethical discussions and promoting

academic excellence. Dr. Ahluwalia's expertise and insights enriched the seminar, elevating the overall intellectual discourse.

One of the remarkable aspects of Quintessential Ethics 2022 was its hybrid nature, allowing participants to join either in person or online. This inclusivity resulted in an impressive turnout, with approximately 450 participants engaging in the seminar's thought-provoking sessions.

Santosh Deemed To be University takes immense pride in being a part of this significant event, which not only showcased the university's dedication to advancing bioethics but also provided a platform for collaboration and knowledge exchange among experts and participants from around the globe. Such endeavors align perfectly with the university's vision of nurturing holistic education and ethical values among its students.

Quintessential Ethics 2022 serves as a testament to Santosh Deemed To be University's unwavering commitment to intellectual growth, ethical considerations, and global engagement. It is yet another milestone in the university's journey towards fostering a progressive educational environment that addresses the challenges and complexities of the modern world.





INTERNATIONAL AWARENESS



An International webinar was successfully conducted on Research in COVID-19 pandemic and the role of Bioethics on 15th October 2020 between 2pm to 5pm.

The primary objective of this webinar was to shed light on the ethical considerations involved in conducting research during the COVID-19 crisis, while emphasizing the vital role of bioethics in guiding scientific endeavors. The event aimed to provide a platform for insightful discussions, knowledge exchange, and exploration of ethical challenges encountered in the ongoing pandemic.

The webinar served as a platform for global experts, researchers, and healthcare professionals to share their knowledge, experiences, and insights regarding the ongoing COVID-19 pandemic. It aimed to foster collaborative efforts in understanding and combatting the challenges posed by this global health crisis.

The Dean of Research and the Head of the Bioethics Unit Prof. Dr. Jyoti Batra, extended a warm welcome to all participants and expressed gratitude for their presence at the webinar. The significance of the event in fostering global cooperation and knowledge exchange was emphasized. She introduced the distinguished guest speakers, highlighting their expertise and contributions to the field of COVID-19 research and bioethics.

The speakers represented different nations and brought diverse perspectives to the webinar. She delivered opening remarks, emphasizing the critical role of bioethics in guiding research practices during the pandemic. The importance of ethical

considerations in ensuring responsible and equitable research was underscored.

The Bioethics Unit of our Institute prepared and presented a detailed report highlighting their activities, initiatives, and accomplishments in the field of bioethics, particularly in the context of the ongoing COVID-19 pandemic. The report encompassed their efforts in promoting ethical practices and responsible research in the context of the ongoing COVID-19 pandemic. The report showcased the unit's contributions in various areas, including ethical guidelines development, education and training programs, research collaborations, and policy recommendations.



It highlighted the unit's commitment to promoting ethical practices and ensuring the protection of research participants' rights and welfare. Professor Dr. Russell D'Souza, an eminent expert in bioethics, expressed his appreciation for the comprehensive report presented by the Bioethics Unit. He commended their efforts in providing a comprehensive overview of their activities, demonstrating their commitment to ethical principles and research integrity. The appreciation from Professor Dr. Russell D'Souza, an internationally renowned authority in bioethics, signifies the global recognition of the Bioethics Unit's work. Their



commitment to upholding ethical standards and promoting responsible research practices extends beyond the local context.

The Head of the National Dental Bioethics Program and Vice Dean of Santosh Dental College provided an overview of the program's objectives and activities. They highlighted the program's commitment to promoting ethical practices and responsible research in the dental field. Participants were given a sneak peek into the upcoming activities planned by the program. These initiatives include:

- **Educational Workshops:** The program will conduct educational workshops on dental bioethics, aiming to enhance the understanding of ethical considerations among dental professionals and researchers.
- **Research Collaboration:** The program intends to foster collaboration with national and international dental institutions to undertake research projects focusing on bioethics in dentistry.
- **Policy Development:** The program aims to actively participate in the formulation of dental ethical guidelines and policies at the national level, ensuring the integration of ethical principles in dental practice.
- **Public Awareness Campaigns:** The program plans to launch public awareness campaigns to educate the general public about the ethical aspects of dental care, emphasizing the importance of patient rights and informed consent.

They encouraged collaboration and engagement from participants, urging them to contribute to the program's activities. They emphasized the significance of collective

efforts in promoting ethical dental practices and research.

Prof. Russel D'Souza, Prof. Madalena Patricio, Prof. Derek D'Souza, and Prof. Animesh Jain provided valuable insights and perspectives on this critical topic.

Prof. Russel D'Souza, an eminent researcher and bioethics expert, presented his talk on the ethical considerations and challenges faced in conducting research during the COVID-19 pandemic. He discussed the importance of balancing the urgency for rapid research with ethical safeguards to protect participants' rights and welfare.

Prof. Madalena Patricio, a distinguished researcher in the field of public health, shared her insights on the impact of the COVID-19 pandemic on research methodologies and study designs. She discussed the need to adapt research methodologies to the changing circumstances and emphasized the importance of data accuracy and reliability.

Prof. Derek D'Souza, an accomplished academic and researcher, provided an overview of the effect of the pandemic on funding and resources for research. He discussed the challenges faced by researchers in securing funding and accessing necessary resources, and proposed strategies for navigating these obstacles.

Prof. Animesh Jain, a renowned expert in the field of data science, delivered a talk on the role of data analytics and technology in COVID-19 research. He highlighted the potential of data-driven approaches in understanding the pandemic's impact and guiding evidence-based decision-making.



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United Nations
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Cultural Organization



UNESCO Chair
in Bioethics
University of Haifa

**DEPARTMENT OF EDUCATION,
UNESCO CHAIR IN BIOETHICS, UNIVERSITY OF HAIFA**

Organizing an International Webinar

PROGRAM DETAILS

Sr. No.	NAME OF THE SPEAKER	TITLE	AFFILIATION
1.	Prof. (Dr.) Jyoti Batra	Call to Attention Welcome & introduction to program	Head, Bioethics unit & Dean Research, Santosh Deemed to be University
2.	Prof. (Dr.) Russell D'Souza	Equitably Sharing the Benefits & Burdens of Research in COVID 19	Chair Education Department International Program UNESCO Chair in Bioethics University of Haifa Melbourne Australia
3.	Prof. Madalena Patricio	How Medical Education faced COVID-19 pandemic situation?	Chair of Best Evidence Medical Education BEME Board for Europe Former President Association of Medical Education of Europe AMEE Department of Medical Education University of Lisbon Lisbon Portugal
4.	Prof Derek D'Souza	Ethical Challenges in Post covid world	National Head Training Indian Program UNESCO Chair in Bioethics MIMER Pune
5.	Prof Animesh Jain	Research in COVID 19	Professor of Community Medicine Head Bioethics Unit UNESCO Chair in Bioethics KMC Mangalore
6.	Dr. Rajiv Ahluwalia	Dental Ethics	Head, National Dental Bioethics Program, UNESCO Chair in Bioethics, Haifa



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Deemed to be University



in Association with



**DEPARTMENT OF EDUCATION,
UNESCO CHAIR IN BIOETHICS, UNIVERSITY OF HAIFA**
Organizing an International Webinar

Research in
COVID-19
Pandemic & Role of Bioethics

Date: Thursday, 15th October, 2020 | Time: 02:00 pm to 04:00 pm

OUR SPEAKERS



PROF. (DR.) JYOTI BATRA
Head, Bioethics unit &
Dean Research,
Santosh Deemed to be
University



PROF. (DR.) RUSSELL D'SOUZA
Chair Education Department
International Program UNESCO Chair
in Bioethics
University of Haifa



PROF. MADALENA PATRICO
Department of
Medical Education,
School of Medicine,
University of Lisbon



PROF. DEREK D'SOUZA
National Head Training
Indian Program UNESCO Chair
in Bioethics MIMER Pune



PROF. ANIMESH JAIN
Professor of Community Medicine
Head Bioethics Unit UNESCO
Chair in Bioethics
KMC Mangalore



DR RAJIV AHLUWALIA
Head, National Dental
Bioethics Program,
UNESCO Chair in
Bioethics, Haifa



We would like to express our gratitude to the esteemed speakers and experts who shared their knowledge and expertise during the webinar in such tough times. Your valuable insights and contributions enriched the discussions and inspired participants to further explore the intersection of research, bioethics, and the COVID-19 pandemic.

PANELIST

Webinar & Lead Chair	Dr. Russell D'Saouza	Chair, Dept of Education, UNESCO Chair in Bioethics
Co-Chair	Prof. Mary Mathew	Head, Indian Program of UNESCO Chair in Bioethics
Moderator	Dr. Derek D'Souza	Advisor, National Dental Bioethics Program
	Dr. Rajiv Ahluwalia	Head, National Dental Bioethics Program, UNESCO Chair in Bioethics

S. No.	Name	Country	Designation
1	Dr. Chad Gehani	USA	Chad P. Gehani, D.D.S. President, American Dental Association
2	Dr. Robert Love	Australia	Chair of the Australasian Council of Dental Schools and Dean and Head of the School of Dentistry and Oral Health at Griffith University
3	Dr. Peter Mossey	Scotland	Peter Mossey Professor of Craniofacial Development, Associate Dean Internationalisation, School of Dentistry, University of Dundee
4	Dr. Peter Wanzala	Kenya	Dr Peter Wanzala Research Scientist at Kenya Medical Research Institute (KEMRI),
5	Dr. Prathip Phantumvanit	Thailand	Prathip Phantumvanit Former-Dean, Faculty of Dentistry, Thammasat University, Thailand. Founder-Chair, Asian Chief Dental Officers Meeting (ACDOM) Expert-Panel on Oral Health, World Health Organization (WHO)
6	Dr. Nilantha Ratnayake	Srilanka	Dr. Nilantha Ratnayake Consultant in Community Dentistry Ministry of Health, Sri Lanka
7	Shaili Pradhan	Nepal	Dr Shaili Pradhan Chief Consultant Dental Surgeon Prof and Head Department of Dental Surgery Bir Hospital, NAMS Founder President, NSPOI President, NADR
8	Dr. OP Kharbanda	India	Dr CG Pandit National Chair Indian Council of Medical Research New Delhi 110029



GLOBAL ALLIANCE AGAINST COVID-19 PANDEMIC

As the world continues to grapple with the COVID-19 pandemic, the dentistry profession faces unique challenges. The recent global webinar of the UNESCO Chair in Bioethics delved into the ethical aspects of re-emergence strategies in the wake of the pandemic. In this article, we will summarize the key points discussed in the webinar and provide insights on the dental profession's future.

The webinar discussion was initiated by Dr. Kharbanda from the Indian Council of Medical Research in Delhi, who raised concerns about the risks involved in visiting a dental clinic. He asked whether it is safe to come to a dental clinic and how safe it is for those working in the clinic. Dr. Chad Gehani, the current president of the American Dental Association, added to the discussion by asking what happens if a patient tests positive for COVID-19 a few days after treatment and whether those in the waiting room should be informed.

Other speakers from different countries also shared their experiences and concerns. Dr. Nilantha Ratnayake from Sri Lanka reported that dental services are currently provided only for emergency cases, and guidelines for safe behavior have been issued. Professor Robert Love from Griffith University in Australia discussed online dental education,

which he said is working well but poses challenges for exams. Professor Peter Mossey from the University of Dundee in Scotland raised the issue of dental aerosols and the possibility of transmission during dental procedures.

The speakers also discussed the need for clear global guidelines in these challenging times. In Nepal, for example, there has been a dental shutdown except for emergency cases, leaving many treatable conditions in limbo. Dr. Prathip Phantumvanit from Thammasat University in Bangkok reported that the situation in Thailand is not so bad, but there is concern about transmission. Private dental clinics are a significant problem, and there is a need for more discussion and simple cross-national guidelines.

The speakers also discussed the use of telemedicine and tele-dentistry. Patients want treatment, but there is a danger of wrong treatment and over-treatment. Dr. Kharbanda raised the issue of tele-dentistry and its legitimacy, while Dr. Gehani reminded the webinar that patients must come first because dentists are obligated to the patient.

The speakers also discussed future dental practice and the direction of health planning. Professor Love expressed confidence in the future of dentistry, though there will be





changes, particularly in the pre-operative area. Social distancing and PPE guidelines will be relaxed, and there will be a globalization of dentistry. However, he was concerned about the ethical issues where there is dental compromise and risk assessment, and proper guidelines must be based on proper

One of the critical challenges raised in the webinar is the risk of transmission during dental procedures. Professor Peter Mossey from the University of Dundee in Scotland raised the issue of dental aerosols and the possibility of transmission during dental procedures. The dental professionals are taking all the necessary precautions to ensure that the patients and the healthcare workers are safe. It is essential to follow all the safety measures while providing dental services to the patients.

The speakers also emphasized the importance of patient safety, clear global guidelines, and the need for dentists to prioritize their patients' needs. The dental clinics must follow all the safety guidelines issued by the government and dental associations to ensure that the patients and the healthcare workers are safe. The patients' safety should be the top priority of every dental clinic, and they must take all the necessary precautions to ensure that the patients are safe.

In conclusion, the dentistry profession must adapt to the changing times brought about by the COVID-19 pandemic. While there are concerns and challenges, there are also opportunities for innovation and solidarity. The speakers at the UNESCO Chair in Bioethics webinar emphasized the importance of patient safety, clear global guidelines, and the need for dentists to prioritize their patients' needs. The future of dentistry is bright, and the profession will continue to play a crucial role in public health.

The COVID-19 pandemic has brought unprecedented challenges to the dentistry profession, with dental clinics being among the high-risk areas of infection. The dental industry is facing unique challenges in the wake of the pandemic, and the UNESCO Chair in Bioethics held a global webinar to discuss the ethical aspects of re-emergence strategies. The webinar brought together experts from different countries to share their experiences and concerns on the way forward.



PAVING THE HORIZONS OF BIOETHICS

The National Dental Bioethics Unit, situated within the Department of Orthodontics at Santosh Dental College, Santosh Deemed to be University, proudly presented the debut edition of "Ethioscope." This esteemed newsletter marks a significant milestone in the continuous efforts of the National Dental Bioethics Program committee to advance the cause of bioethics in the country.

Ethioscope sets out to impart knowledge and keep its readers informed about the latest developments, stories, research, and varied perspectives in the field of bioethics. With a dedicated focus on fostering ethical practices within the healthcare arena, this newsletter aims to provide a platform for healthcare experts to communicate their beliefs, facilitating thoughtful discussions on ethical principles.

The fundamental importance of bioethics in discerning right from wrong, particularly in healthcare, is the cornerstone of Ethioscope. By equipping readers with a comprehensive understanding of bioethical considerations, the newsletter endeavors to nurture bioethicists who possess a deep sense of ethical judgment alongside their expertise in healthcare. Within the pages of Ethioscope, readers will find a wealth of compelling content. Engaging articles, thought-provoking essays, and expert opinions offer diverse perspectives on a wide range of bioethical topics. Esteemed contributors, including renowned scholars, practitioners, and students, share their insights, experiences, and research findings, creating a rich tapestry of bioethical exploration.

Ethioscope not only informs but also encourages readers to actively participate in the conversation surrounding ethics in healthcare. Through this newsletter, individuals have the opportunity to communicate their beliefs, contributing to a vibrant community dedicated to navigating the intricate ethical challenges within the healthcare profession.

As Ethioscope launched its inaugural edition, it invited readers to embark on an exciting journey of knowledge and critical thinking. By disseminating information, fostering critical analysis, and promoting collaborative engagement, Ethioscope aims to propel the growth and development of bioethics within the college and beyond.

Anticipate forthcoming editions of Ethioscope, which will continue to illuminate the path of ethical enlightenment. The newsletter aspires to empower readers to become ethical leaders, guiding the healthcare profession towards practices that prioritize ethical considerations.

Together, let us embark on a voyage of exploration within the realms of bioethics, igniting a collective passion for ethical healthcare practices.



PAVING THE HORIZONS OF BIOETHICS

			
CONTENT	<p>Around the World 01</p> <p>Experts Column 02</p> <p>Progress 09</p> <p>Youth Speaks 17</p> <p>Acknowledgment 18</p>		

AROUND THE WORLD

With Covid-19 Approvals, 'Vaccine Nationalism' Is a Worrisome Trend

January 18, 2021

(SIAI News) - Data from large clinical trials, which generally exclude tens of thousands of volunteers, may to demonstrate a vaccine's effectiveness and prove its potential side effects. This is important information to have at hand before giving injections to millions or billions of healthy people. Postwar approvals in India, Russia, and China reveal a different side of vaccine nationalism, one that prioritizes political advantage over scientific evidence and risk-uniforming widely-accepted standards for vaccine testing and development.

Improving Family Access to Dying Patients During the COVID-19 Pandemic

January 13, 2021

(The Lancet) - In response to the COVID-19 pandemic, most health-care organizations have implemented policies to restrict visitor access. Although there are exceptions to some of these policies, including limited visiting for patients nearing the end of life, they still have profound effects on the dying and their family members. We are still in the midst of the pandemic, but there are compelling reasons to expand access of family members to their loved ones as they near the end of life, despite the risk of infection.

Deciding Who Should Be Vaccinated First

January 13, 2021

(The New Yorker) - Last month, the Centers for Disease Control and Prevention's Advisory Committee on Immunization Practices (ACIP) recommended that COVID-19 vaccines be given first to frontline health-care workers and others on the job of society first. Earlier in the month, ACIP had instead prioritized manufacturing and suggested that it would place the greatest emphasis on protecting frontline workers, in part because those workers are disproportionately members of low-income communities of color. But the same recommendations being the CDC's more in line with Canada and the majority of European countries, which have ordered plans focusing on other people, and which most public health officials believe are likely to save the most lives. I recently spoke by phone with Barry Bloom, an immunologist and professor at the Harvard T. H. Chan School of Public Health.

The Antibiotic Paradox: Why Companies Can't Afford to Create Life-Saving Drugs

August 19, 2020

(Nature) - In a bitter paradox, antibiotics fuelled the growth of the twentieth century's most profitable pharmaceutical companies, and are one of society's most desperately needed classes of drug. Yet the market for them is broken. For almost two decades, the large corporations that once dominated antibiotic discovery have been leaving the business, saying that the prices they can charge for these life-saving medicines are too low to support the cost of developing them. Most of the companies now working on antibiotics are small biotechnology firms, many of them making no profit, and many are failing.

Dentists extract new fee from patients to keep up with rising COVID-19 costs

A growing number of dental offices across the country are charging patients an "infection control fee."

THE EDITORIAL TEAM OF ETHIOSCOPE

In a remarkable display of dedication and passion, the youth in dentistry have emerged as catalysts for change in the field of bioethics. The editorial team of "Ethioscope" takes great pride in highlighting the incredible efforts of these young individuals who have helped propel the National Dental Bioethics Program to new heights, permeating every corner of our nation. Their unwavering commitment and enthusiasm serve as an inspiration to us all, reminding us of the power of collective action in shaping a better future. In this regard, 5 zones were designated and youth in dentistry are involved in it.

In the upcoming issue of this newsletter, they're to introduce a new Q&A section, dedicated to addressing your queries and concerns about dental bioethics. The team has assembled a panel of esteemed experts who possess profound knowledge and experience in the field of bioethics. Their insightful guidance will help you gain a comprehensive outlook towards the ethical challenges faced in dentistry and equip you with the necessary tools to navigate them effectively. We encourage all readers to actively participate and make the most of this valuable opportunity.

Central
Madhya Pradesh

Dr Akansha Jain, Dept. of Orthodontics, Mansarovar Dental College.
It's a great opportunity for me to be the part of this newsletter. My commitment is to "inculcate the values" which I have received from the world leaders directly through this platform to my co-colleagues of central region.

North
Uttar Pradesh

Dr Raunak Manjeet
KD Dental College, Mathura,
Its great that newsletter is being published to inculcate the values of Bio-Ethics among the young age practitioners. "Communication to the co-practitioners" will be the major part of my service.

West
Maharashtra

Dr Shefali Gedam, Dept. of Orthodontics, SDK Dental College, Nagpur
Bioethics must be the most essential part of any practice". Thank you for making me part of this. Spreading knowledge through ideas will be my mission

South
Karnataka

Dr Surabhi Labh, Dept of Prosthodontics, College of Dental Sciences, Davangere
News-letter is the best way to solve the dilemma of upcoming generation of practitioners". I am dedicated to take the lead in my region for the same and discuss regarding this to my colleagues

East
Assam

Dr Jahnabi Kakoti, Regional Dental College, Department of Periodontics, Assam
Newsletter is the best way to reach the youth". Ethics is must to have in any profession. Self declaration of the practitioners about bioethics must be encouraged

THE EDITORIAL TEAM OF OUR INSTITUTION

In continuation with the efforts of the National Dental Bioethics Program committee for promoting the cause of Bioethics in the country, we are delighted to share the concept of 'Ethioscope', the first Newsletter of National Dental Bioethics Program. Our aim for this newsletter is to impart to our readers the knowledge of Bioethics and keep them updated with the stories, researches and opinions with different perspectives in the field. Ethioscope is dedicated to provide a platform for the readers to communicate their beliefs about ethics in healthcare arena. Bioethics is the foundation of one's ability to judge between right and wrong, so owing to

this knowledge, we believe that the newsletter would help our readers to become 'bioethicists' in consort with being healthcare experts.

We would like to thank Dr. Russel D'Souza (Chair, Dept of Education, UNESCO chair in Bioethics) for the constant support, encouragement and guidance and for giving us this opportunity to work on this noble cause of Bioethics. We feel fortunate to work under the leadership of Dr. Rajiv Ahluwalia (Head of National Dental Bioethics Program, UNESCO chair in bioethics, HAIFA), whose vision for the newsletter has made everything possible.



Editorial Team:

Faculty : Dr. Kumar Amit

Students : Dr. Ridhi Aggarwal

Dr. Ankit

Dr. Shreyash Gupta

Published by:

National Dental Bioethics Unit

Department of Orthodontics

Santosh Dental College

Santosh Deemed to be University

1, Santosh Nagar, Pratap Vihar, Ghaziabad - 201009



RESEARCH IN BIOETHICS

In line with this commitment, we are proud to announce the development of a ground breaking concept aimed at fostering ethical excellence among healthcare workers. Under the expert guidance of renowned professionals a comprehensive framework for self-evaluation on bioethical parameters has been devised. This document, now protected by a copyright, marks a significant milestone in promoting the integration of bioethics into healthcare practices

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16. If the work is an 'Artistic work', capable of being registered as a design under the Designs Act 2000, whether it has been applied to an article through an industrial process and if yes, the number of times it is reproduced.	: N.A.
17. Remarks, if any	

Diary Number : 12614/2020-CO/L
Date of Application : 03/09/2020
Date of Receipt : 03/09/2020


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GOVT. OF INDIA



MOU'S SIGNED

In our continuous endeavor to promote bioethics and reach a wider audience, we are delighted to announce the signing of Memorandums of Understanding (MOUs) with prominent professional associations. These MOUs have established these associations as esteemed knowledge partners, enabling collaborative efforts to raise awareness among their members. Through a range of activities, including guest lectures, guest editorials, and webinars, we aim to foster a vibrant community of professionals dedicated to ethical practices in their respective fields.

MOU WITH INDIAN ORTHODONTICS SOCIETY:

This collaboration brings together the expertise and resources from various professionals from this field, facilitating knowledge exchange and the promotion of ethical practices amongst everyone. Through guest lectures by renowned experts, thought-provoking guest editorials, and engaging webinars, we aim to enhance the awareness and understanding of bioethics in their professional community.


MOU WITH INDIAN PROSTHODONTICS SOCIETY:

We are honored to establish this MOU, a highly respected professional association committed to ethical healthcare practices. This partnership opens doors to a multitude of collaborative opportunities to raise awareness and promote bioethical considerations within their membership. Through informative guest lectures, thought leadership guest editorials, and interactive webinars, we aim to empower everyone with a comprehensive outlook towards bioethical challenges and solutions. The signing of MOUs with these esteemed professional associations in the field of bioethics marks a significant step towards promoting collaborative efforts and reaching a wider range of professionals. By establishing them as knowledge partners, our university aims to foster awareness, understanding, and engagement with bioethics amidst the students. Through the exchange of knowledge via guest lectures, guest editorials, and webinars, we aspire to cultivate a community of professionals committed to ethical practices and contribute to the advancement of bioethics in their respective fields.

MOU WITH INDIAN ASSOCIATION OF ORAL & MAXILLOFACIAL PATHOLOGISTS


This collaboration brings together the expertise and resources of various professionals in the field of Oral & Maxillofacial Pathology, fostering knowledge exchange and promoting ethical practices within the Indian Association of Oral & Maxillofacial Pathologists. Through guest lectures, thought-provoking editorials, and engaging webinars featuring renowned experts, our aim is to heighten awareness and understanding of bioethics, empowering our professional community to make informed and ethical decisions in their practices.






United Nations
Educational, Scientific and
Cultural Organization


Greek Unit - UNESCO Chair in Bioethics (Haifa)



UNESCO Chair
in Bioethics
University of Haifa



NATIONAL DENTAL BIOETHICS UNIT
SANTOSH DEEMED TO BE UNIVERSITY



www.iosweb.net

Date- 22.11.2019

Memorandum of Understanding

It is agreed towards common commitment in promoting the cause of Bioethics among the members of Indian Orthodontic Society.


UNESCO Chair in Bioethics, Haifa, Indian Orthodontic Society and Dental Bioethics Nodal Centre jointly commits towards advocacy and awareness towards inculcating of the principles of Bioethics among the honourable members of the Indian Orthodontic Society.

Parties collaborated:


- UNESCO Chair in Bioethics, Haifa** represented by Dr. Russell D'souza, Asia Pacific Head, will be the sole and final authority towards providing guidance and faculty for this great initiative.
- Indian Orthodontic Society** – will encourage and facilitate its Life member (LM) and Student life member (SLM) to attend and to enrol for this programme.
- Dental Bioethics Nodal Unit**– Dr. Rajiv Ahluwalia, Associate Dean, Santosh Dental College – Santosh Deemed to be University and Secretary – National Dental Bioethics Programme, and Member of good standing Indian Orthodontic Society will facilitate the process, promote research and set programme content and validate.

Dr. Russell D'souza, Hon. President - Indian Orthodontic Society, Hon. Secretary Indian Orthodontic Society and Dr. Rajiv Ahluwalia will be the signatories.


No Partnership. Nothing in this MOU shall be construed as creating a joint venture or legal partnership between the collaborating parties. Neither Association shall have the authority to bind the others, nor shall the employees, volunteers or agents of one organization be considered employees, or agents of the others. This MOU is not intended to imply a financial arrangement between the collaborating organizations. The partnership is merely a spirit of goodwill and collaboration centred around the above described activities.



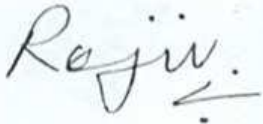
Dr. Russell D'souza
Asia Pacific Head
UNESCO Chair in Bioethics, Haifa



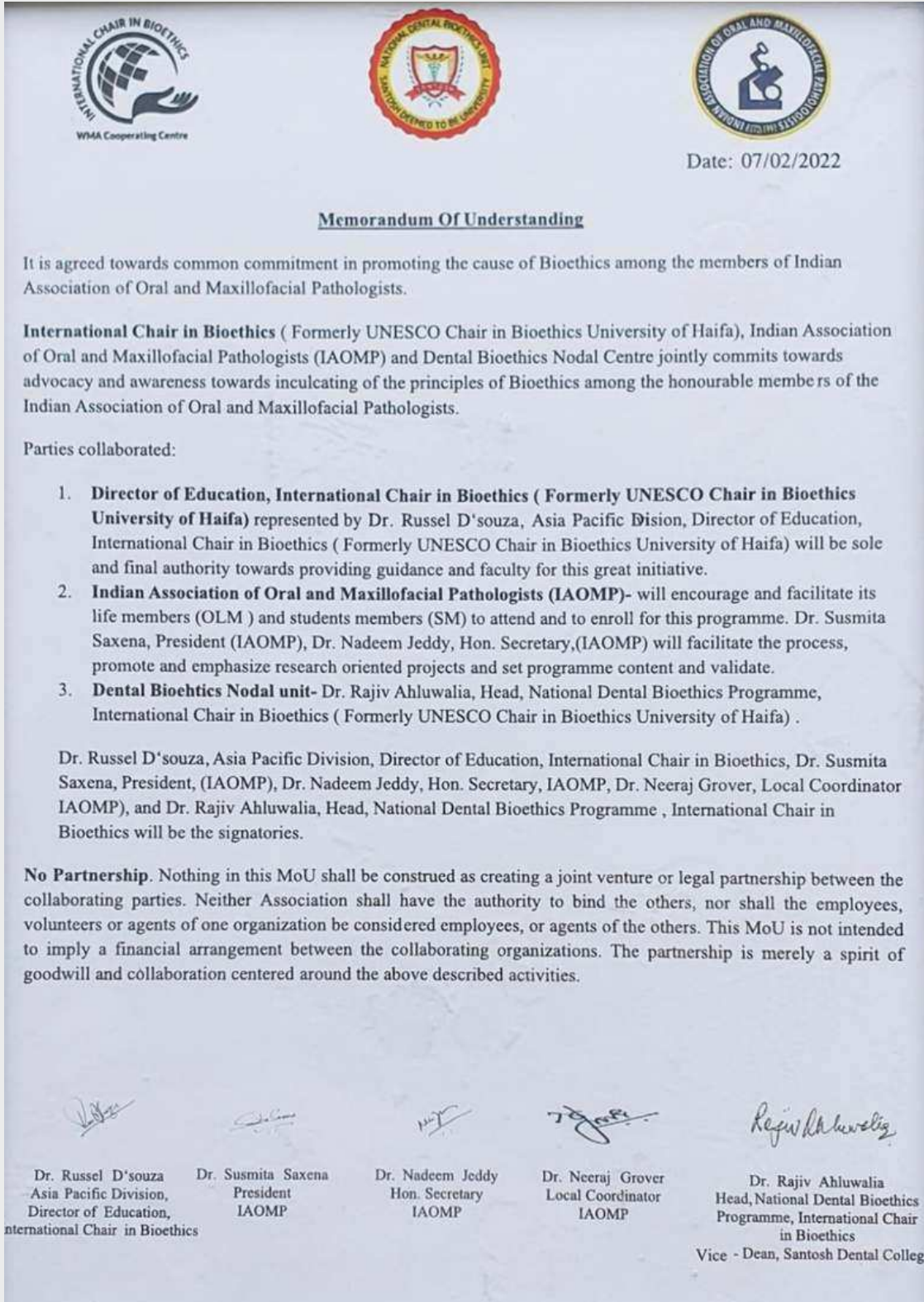
Dr. Pradeep Jain
Hon. President – IOS




Dr. Sridevi Padmanabhan
Hon. Secretary - IOS



Dr. Rajiv Ahluwalia,
Secretary – National Dental Bioethics Programme
Associate Dean, Santosh Dental College









United Nations
Educational, Scientific and
Cultural Organization


Greek Unit - UNESCO Chair in Bioethics (Haifa)



uniTwin

UNESCO Chair
in Bioethics
University of Haifa





Memorandum of Understanding Date- 4.4.2020

It is agreed towards common commitment in promoting the cause of Bioethics among the members of Indian Prosthodontic Society.


UNESCO Chair in Bioethics, Haifa, Indian Prosthodontic Society (IPS) and Dental Bioethics Nodal Centre jointly commits towards advocacy and awareness towards inculcating of the principles of Bioethics among the honourable members of the Indian Prosthodontic Society.

Parties collaborated:

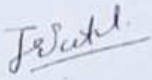
- 1. UNESCO Chair in Bioethics, Haifa** represented by Dr. Russell D'souza, Asia Pacific Head, will be the sole and final authority towards providing guidance and faculty for this great initiative.
- 2. Indian Prosthodontic Society (IPS)** – will encourage and facilitate its Life member (LM) and Student life member (SLM) to attend and to enrol for this programme.
- 3. Dental Bioethics Nodal Unit**– Dr. Rajiv Ahluwalia, Secretary – National Dental Bioethics Programme, Dr. Akshay Bhargava, President-Elect, Indian Prosthodontic Society, Dr. N. Gopi Chander, Editor, Indian Prosthodontic Society will facilitate the process, promote research and set programme content and validate.

Dr. Russell D'souza, Asia Pacific head, UNESCO Chair in Bioethics, Haifa, Dr. J.R. Patel, Hon. President - Indian Prosthodontic Society, Dr.P.L. Rupesh, Hon. Secretary Indian Prosthodontic Society and Dr. Rajiv Ahluwalia ,Secretary- National Dental Bioethics Program will be the signatories.


No Partnership. Nothing in this MOU shall be construed as creating a joint venture or legal partnership between the collaborating parties. Neither Association shall have the authority to bind the others, nor shall the employees, volunteers or agents of one organization be considered employees, or agents of the others. This MOU is not intended to imply a financial arrangement between the collaborating organizations. The partnership is merely a spirit of goodwill and collaboration centred around the above described activities.



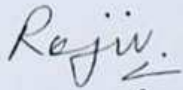
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Asia Pacific Head
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Dr. J.R. Patel
Hon. President – IPS



Dr. P.L. Rupesh
Hon. Secretary - IPS



Dr. Rajiv Ahluwalia,
Secretary – National Dental Bioethics Programme

PRESENTATIONS IN BIOETHICS



Sn o.	Name of presentation	Event
1	Ethical responsibilities of an orthodontist (Poster presentation)	National PG convention
	Bioethics- the Legal perspective (Paper presentation)	UNSECO Chair in Bioethics, Haifa Bioethicon, Chennai
1	The ethical gap	IOS conference Kochi
2	What Would A Good Orthodontist Do- Ethical Reflection	IOS PG convention ITS Greater Noida
3	What Would A Good Orthodontist Do- Ethical Reflection	AIIMS conference
4	The Ethical gap	North zone PG convention, Jamia Islamia, Delhi
5	Bioethics lecture-orientation program PHD students	UNSECO Chair in Bioethics, Haifa Santosh Deemed to be University
6	Bioethics lecture-orientation program MBBS 1st yr students	UNSECO Chair in Bioethics, Haifa Santosh Deemed to be University
7	Bioethics and communication	UNSECO Chair in Bioethics, Haifa Bioethicon, Chennai
8	Ensuring Bioethical Practice For Cleft Patients	UNSECO Chair in Bioethics, Haifa Indocleft Con 2020 Delhi

PUBLICATIONS IN BIOETHICS

S.No.	Name of Article	Journal
1	Forgotten ethics	Dental practice
2	The ethics gap (editorial)	Journal of Indian Orthodontic Society
3	Beneficence or bucks	Global Bioethics Enquiry
4	What should a good orthodontist do?	Journal of Contemporary Orthodontics
5	Bioethical dilemmas in Covid - 19 era	Global Bioethics Enquiry

Guest Editorial

Importance of ethics in oral pathology



I feel extreme pleasure to share with you all that our association Indian Association of Oral and Maxillofacial Pathology and International Chair in Bioethics (Formerly UNESCO Chair in Bioethics University of Huelva) has recently signed a Memorandum of Understanding (MOU) and jointly committed to promoting the cause of Bioethics as well as advocacy and awareness towards the principles of Bioethics among the honorable members of our association.

The term ethics refers to moral philosophy or a set of moral principles that regulate what is right, good, virtuous, true, and just, as defined by a culture or society.¹ Health care professionals always have the ethical responsibility to act in the best interest of the patient.

In addition to the standard moral and practice values published by Accredited Social Health Activated other professional organizations, there are additional values that are relevant to medical ethics in both clinical care and research.^{2,3} These include the following:

- Autonomy
- Beneficence
- Non-maleficence
- Justice
- Dignity
- Truthfulness and Honesty

AUTONOMY

The value of autonomy refers to the patient's (or the guardian's) right to be actively involved in making decisions about his or her own medical care. As oral pathologists, we describe the importance of various procedures as well as their drawbacks and give the decision-making power to the patients to choose their preferred treatment plan.

BENEFACTENCE

It is a core value of health care because it involves actions that result in the well-being of others. The health care professional has the ethical responsibility to act in the best interest of the patient at all times. As oral pathologists, we have a responsibility to ourselves for the best outcome for the patient of society at large.

NON-MALEFACTENCE

The word maleficence means doing harm or evil. Therefore, it is best described by the phrase "first do no harm." The health care practitioner must be reasonably sure that the patient will get benefit from the treatment prior to recommending the treatment. In histopathology laboratories nowadays, the lab technician uses a "stain test" for a small sample.

Stain testing is a form of laboratory diagnostic healthcare fraud where clinical specimens are discarded, via a sink drain and fabricated results are reported, without the clinical specimen actually being tested.⁴ Giving a wrong report is doing harm to the patient health as the treatment of the patient will depend upon the reports of tests.

JUSTICE

It is the right of all individuals to have equal and fair access to health care resources. In a society where not all citizens have access to health care insurance, this value is often an ethical challenge for health care organizations and providers.

In oral pathology, there are many instances during the tissue processing that can lead to artifacts in the slides. Due to this, sometimes it might be difficult for an oral pathologist to give an exact diagnosis. Therefore, the pathologist must do justice to the patient by giving a correct diagnosis.

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Dr. Neeraj Grover
Department Of Oral & Maxillofacial Pathology

Guest Editorial

Aligners: Why NOT?

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Why NOT may mean that aligners are accepted as preferred treatment modality.

Why NOT may also mean why this modality should be discouraged as a possible treatment. This editorial focuses on that.

Aligners are a way of moving teeth into desirable positions and provide an esthetic alternate to conventional braces. Much has been published about its success. Also, the company has been successful in its "direct to patients" campaign and more patients are opting for it.

As per claims, more than 2 million patients were treated with a leading aligner provider. It would be fair to approximate that around more than 20 million aligner sets would have been produced till now (including other aligners providers with an average of 10 set per patient). This amount of the plastic generated from aligners will be soon enough to cover entire city of Mumbai, Spain, New York, Beijing, and so on in coming times. Adverse effects and environmental hazards from aligner usage are a reality. However, these are underreported and both professionals and patients are unaware of it.

This editorial is to draw your attention to the flip side of treatment with aligners.

Well-documented adverse effects that are reported include difficulty in breathing, sore throat, swollen throat, swollen tongue, swollen lips, hives and itchiness, amylolaxia, airway obstruction/laryngospasm, chest pain, cough, nausea, difficulty swallowing, dry mouth, headaches, swelling of eyes, blisters or sores of lips, fatigue, burning blisters or ulcerations on tongue, swelling of gums, airway obstruction, and many more.¹ These were reported on MAUDE website, USA (Manufacturer and User Facility Device Experience) database. Despite these, no change in marketing or treatment strategy is reported by the manufacturers.

In an *in vitro* cytotoxicity study, oral epithelial cells exposed to Invisalign aligners eluate showed increase cell death, compromised membrane integrity, and reduced cell-to-cell contact and mobility which may be the mechanism for isocyanate allergy.²

Plastic is an established environmental hazard. It basically harms animals through entanglement and ingestion at all levels of the food chain. More than 50% of the oxygen we breathe is provided by phytoplankton that is living on the surface of the oceans. It is made up of plant microorganisms and is capable, through photosynthesis, of making organic matter from light, carbon dioxide, and nutrients, and releasing oxygen into the air. As the planet's "thermostat," it exchanges energy and heat with the atmosphere.³

Plastics break down into smaller pieces called microplastics, which act as poison for the plankton. Destruction of these organisms disrupts the environment's mechanism to maintain temperatures and hence leads to global warming.

Plastic may save teeth, but is terrible for the environment.

—Kevin Dillard

As per World Environment meet,⁴ an ambitious target of restricting the global warming to 1.5° as acceptable increase in temperature by 2030 was agreed upon. The pressure is on the developed countries to lead by example. Citizens need to be more aware of the impending doom if they do not directly take responsibility. As orthodontists, we need to be more aware of our environment and seek alternate treatment modalities other than plastic.

Aligners contribute immensely to plastic production (aligners trays for patients and thermoplastic 3-dimensional (3D) models on which aligners are fabricated). Both are single-use plastic which cannot be recycled and hence are accumulating in the environment. Various thermoplastic materials, or combinations of materials, are being used for fabrication of 3D models. These include polyvinyl chloride, polyurethane, polyethylene terephthalate, and polyethylene terephthalate glycol.

Also, environment (mouth has harsh environment) induces changes in plastic and the additive agent bisphenol A (BPA) is released. It is a known carcinogen as it alters cell membrane properties and enables mutation. BPA is an industrial component commonly used in synthesis of polycarbonate plastics, epoxy resin, and other polymer materials (3D models). The underlying mechanisms of BPA-induced multiorgan toxicity are well summarized, involving the receptor pathways, disruption of neuroendocrine system, inhibition of enzymes, modulation of immune and

Dr. Rajiv Ahluwalia
Department of Orthodontics & Dentofacial Orthopedics

RECOGNITION BY NATIONAL & INTERNATIONAL BODIES



The National Dental Bioethics Unit had the privilege of participating in the prestigious GATEC Conference held in December 2022. Recognized as a leading organization dedicated to promoting ethical practices in dentistry, the National Dental Bioethics Unit was invited to organize a workshop during this esteemed event. The conference received support from key ministries of the Government of India and was organized by renowned international organizations. Furthermore, it garnered the endorsement of Santosh University and IDEA, further accentuating its significance in the field of bioethics.

Conference Support:

The GATEC Conference 2022 received valuable support from various government ministries, acknowledging the importance of ethical practices and innovation in dentistry. The support included:

1. Ministry of External Affairs, Govt. of India: The Ministry of External Affairs acknowledged the significance of the GATEC Conference in promoting global partnerships and collaborations in the field of bioethics.
2. Ministry of Social Justice and Empowerment, Govt. of India: The Ministry of Social Justice and Empowerment demonstrated its commitment to inclusive healthcare practices by supporting the GATEC Conference, which focused on ethical considerations in dentistry.
3. Ministry of Micro, Small and Medium Enterprise, Govt. of India: The Ministry of Micro, Small and Medium Enterprise recognized the potential for innovation and entrepreneurship in the field of dentistry and supported the GATEC Conference, fostering the growth of ethical and sustainable dental practices.
4. DRDO, Ministry of Defense, Govt. of India: The Defense Research and Development Organization, under the Ministry of Defense, acknowledged the role of ethical practices in dental care and supported the GATEC Conference to encourage advancements in bioethics in dentistry.

Organizers of the Conference:

The GATEC Conference 2022 was organized by internationally renowned organizations committed to fostering progress and excellence in healthcare. The organizing entities included:

1. World Health Organization (WHO): As a global authority in public health, the World Health Organization played a vital role in organizing the GATEC Conference, bringing together experts and practitioners from around the world to address bioethical challenges in dentistry.
2. Indian Council of Medical Research (ICMR): The Indian Council of Medical Research, a premier medical research organization in India, lent its expertise and support to the GATEC Conference, highlighting the significance of evidence-based bioethics in dental healthcare.



RECOGNITION BY NATIONAL & INTERNATIONAL BODIES

3. I-Stem: I-Stem, the Institute for Stem Cell Science and Regenerative Medicine, contributed to the organization of the GATEC Conference, emphasizing the integration of ethical considerations and scientific advancements in dentistry.

Conference Endorsement:

The GATEC Conference 2022 garnered the endorsement of prestigious institutions committed to promoting ethical practices and fostering advancements in healthcare. These endorsements included:

1. Santosh University: Santosh University, renowned for its commitment to excellence in dental education and research, endorsed the GATEC Conference, recognizing its value in promoting bioethics and advancing the field of dentistry.
2. IDEA: a leading international organization dedicated to promoting ethical practices and legal frameworks in dentistry, endorsed the GATEC Conference, acknowledging its significance in shaping the ethical landscape of the dental profession.



RECOGNITION BY NATIONAL & INTERNATIONAL BODIES



GATEC
Global Assistive Technology Expo & Conference

Supported By

Ministry of Education, Government of India
Ministry of Health and Family Welfare, Government of India
Indian Council of Medical Research

THEME
**BUILDING
HEALTHY SAFE SUSTAINABLE & INCLUSIVE
ENVIRONMENT**

7-9 DECEMBER 2022
GMR GROUND, AEROCITY, NEW DELHI, INDIA

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To,
Dr Rajiv Ahluwalia
Head, National Dental Bioethics Program, Unesco Chair in Bioethics, Haifa
National Dental Bioethics Unit, Dept of Orthodontics
Santosh Dental College
Santosh deemed to be University

18th Aug. 2022

Sub: Invitation to conduct Workshop on Bioethical aspects in Assistive Technology (Global Assistive Technology Expo & Conference) 07 – 09 from December at GMR Ground Aerocity, New Delhi

We are pleased to inform you that SHEsPro is organising the mega event called “Global Assistive Technology Expo & Conference 2022” to be held on 07th – 09th December, at GMR Aerocity, New Delhi. The event is planned to discuss the possibilities of Assistive Technologies with a vision to create a world where all people have equal opportunity for full participation in society.

We are planning to organise pre-conference workshops for younger colleagues in the related fields with the objective to create trained human resources. On behalf of Dr. Ravinder Singh, I would request you to plan a Pre-conference workshop in your area of expertise, which would enable our participants to gain knowledge from your vast experience in the field.

The Suggested Topic for your workshop is “Bioethics in Assistive Technology”. You may modify the title as per your requirement.

The date for the workshop to be conducted by you and your team will be on 6th Dec, 2022 with 2 slots available between 9 am-1 pm : Morning slot and 2 pm-6 pm : Evening slot. You may choose any one of the slots.

Shall you have any queries about the conference/workshop or need more details about GATEC 2022, you may kindly contact: Dr Deepti Khanna, Project Head, Email: deepti@iconex.in and Mobile: +91 9354744580.

The potential participants who are likely to be benefitted from this workshop, may register through the website link <https://globalassistivetech.com/>. Also it is requested that you may encourage and promote your work among fellow colleagues, researchers, academicians, students, contacts etc.

Looking forward to a successful program.
Best Regards,


Dr. Ravinder Singh
Co-Chairman, GATEC
Indian Council of Medical Research

Organised By

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GATEC SECRETARIAT
B 181, Ground Floor, East of Kailash, New Delhi - 110065
Email: info@globalassistivetech.com • Tel: (011) 4972 2344
Web: www.globalassistivetech.com





LIST OF PANELISTS

S.No.	Name	Country	Contact Number	E-mail	Introduction
1	Dr. OP Kharbanda	India		dr.opk15@gmail.com	
2	Dr. Nilantha Ratnayake	SriLanka	+94 714 317312	nilantha.ratnayake@yahoo.com	Dr. Nilantha Ratnayake is a Consultant in Community Dentistry attached to the Ministry of Health, Sri Lanka. A member of the COVID-19 Technical committee at the Ministry of Health and involved in the preparation of national guidelines for dentistry during COVID-19 in Sri Lanka
3	Dr. Prathip Phantumvanit	Thailand	66818330273	prathipphan@gmail.com	Bioethics in health professionals are vital since we are dealing with human life and dentists are no different to medical physicians and others. Besides bioethics for the best oral health leading to overall health of the patients and community, in this COVID-19 pandemic serious precautions for aerosol transmission in the dental clinic to prevent infections to the next patients and/or dental personnel's is highly concerned.
4	Dr. Peter Mossey	Scotland	+44 7900 897560	p.a.mossey@dundee.ac.uk	Professor Peter Mossey is a Consultant Orthodontist, Chair of Orthodontics and Associate Dean for Internationalization, Dundee Dental School. He is current President of International Association for Dental Research (IADR) Global Oral Health Inequalities Research Network (GOHIRA) and Chair of the IADR Science Information Committee (SIC), an expert on the International Dental Federation (FDI) Vision 2030 Committee and a leader in establishing international collaborations on clinical, epidemiologic, environmental and genetic approaches to Cleft lip and palate and other craniofacial anomalies and is Advisor to the WHO on these matters.
5	Shaili Pradhan	Nepal	+9779851037888	shaili_p@yahoo.com	Chief Consultant Dental Surgeon, National Academy of Medical Sciences, Ministry of Health, Government of Nepal Founder Presidents of Nepalese Society of Periodontology and Oral Implantology (NSPOI) and Nepal Association for Dental Research (NADR)
6	Dr. Chad Gehani	USA	+9779851037888	gehanic@ada.org	Professor Chad P. Gehani teaches at New York University ,President of The American Dental Association , Received Ellis Island Medal of Honor recognized by The United States Congress. A Proud American who was made in India .
7	Dr. Peter Wanzala	Kenya		wanzap2003@yahoo.com	
8	Dr. Robert Love	Australia		r.love@griffith.edu.au	



DCI CODE OF CONDUCT

CODE OF DENTAL ETHICS

A. Declaration:

Every dentist who has been registered (either on Part A or Part B of the State Dentists Register) shall, within a period of thirty days from the date of commencement of these regulations, and every dentist who gets himself registered after the commencement of these regulations shall, within a period of thirty days from such registration, make, before the Registrar of the State Dental Council, a declaration in the form set out for the purpose in the Schedule to these regulations and shall agree to have read, understood and thence to abide by the same.

2

B. Duties and Obligation of Dentists in General

3.1 Character of Dentist / Dental Surgeon

In view of the important role of a Dentist/ Dental Surgeon as a health professional educated and trained in surgical and medical treatment of diseases of the Oral cavity, he shall:

(3.1.1) Be mindful of the high character of his mission and the responsibilities he holds in the discharge of his duties as an independent health-care professional and shall always remember that care of the patient and treatment of the disease depends upon the skill and prompt attention shown by him and always remembering that his personal reputation, professional ability and fidelity remain his best recommendations;

(3.1.2) Treat the welfare of the patients as paramount to all other considerations and shall conserve it to the utmost of his ability; (3.1.3) Be courteous, sympathetic, friendly and helpful to, and always ready to respond to, the call of his patients, and that under all conditions his behaviour towards his patients and the public shall be polite and dignified;

3.2 Maintaining good Clinical Practices:

The Principal objective of the Dental profession is to render service to humanity with full respect for the dignity of profession and man. Dental Surgeons should merit the confidence of patients entrusted to their care, rendering to each a full measure of service and devotion. They should try continuously to improve medical knowledge and skills and should make available to their patients and colleagues the benefits of their professional attainments. The Dentist/ Dental Surgeon should practice methods of healing founded on scientific basis and should not associate professionally with anyone who violates this principle. The honoured ideals of the dental profession imply that the responsibilities of the Dental Professionals extend not only to individuals but also to Society.

(3.2.1) The Principal objective of the Dental profession is to render service to humanity with full respect for the dignity of profession and man. Dental Surgeons should merit the confidence of patients entrusted to their care, rendering to each a full measure of service and devotion. They



should try continuously to improve medical knowledge and skills and should make available to their patients and colleagues the benefits of their professional attainments. The Dentist/ Dental Surgeon should practice methods of healing founded on scientific basis and should not associate professionally with anyone who violates this principle. The honoured ideals of the dental profession imply that the responsibilities of the Dental Professionals extend not only to individuals but also to Society. (3.2.2)Membership in Dental and Medical Associations and Societies: For the advancement of his/her profession, a Dental Surgeon should be encouraged to affiliate with associations and societies of dental, oral and allied medical professionals and play a proactive role in the promotion of oral health in particular and health of an individual in general.

(3.2.2)Membership in Dental and Medical Associations and Societies: For the advancement of his/her profession, a Dental Surgeon should be encouraged to affiliate with associations and societies of dental, oral and allied medical professionals and play a proactive role in the promotion of oral health in particular and health of an individual in general.

(3.2.3)A Dentist / Dental Surgeon should enrich his professional knowledge by participating in professional meetings as part of Continuing Dental and Medical Education programs/Scientific Seminars/Workshops as stipulated by the regulations made by the statutory bodies from time to time and should register any mandatory requirements with the state registration bodies or any other body as stipulated.

3

3.3 Maintenance of Dental/Medical records:

(3.3.1)Every Dental surgeon shall maintain the relevant records pertaining to his out- patients and in-patients (wherever applicable). These records must be preserved for a minimum period of three years from the date of commencement of the treatment in a format determined by the Council or accepted as a standard mode of documentation.

(3.3.2)If any request is made for medical or dental records either by the patients / authorized attendant or legal authorities involved, the same may be issued to the competent authority within 72 hours after having obtained a valid receipt for all documents. It is prudent to keep certified photocopies /carbon copies of such submissions.

(3.3.3)A Registered Dental practitioner shall maintain a Register of Medical Certificates giving full details of certificates issued. When issuing a medical certificate he shall always enter the identification marks of the patient and keep a copy of the certificate. He shall not omit to record the signature and/or thumb mark, address and at least one identification mark of the patient on the medical certificates or report. The medical certificate shall be prepared as in Appendix 2 of this document, Revised Dentists Code of Ethics Regulations, 2012.

(3.3.4)Efforts shall be made to digitalize dental/ medical records for quick retrieval.



DCI CODE OF CONDUCT

3.4 Display of Registration Numbers:

(3.4.1) Every Dental practitioner shall display the registration number accorded to him by the State Dental Council in his clinic and in all his prescriptions, certificates and money receipts given to his patients.

(3.4.2) Dental Surgeons shall display as suffix to their names only recognized Dental degrees which are recognized by the Council or other qualifications such as certificates/diplomas and memberships/honours/ fellowships which are conferred by recognized Universities / recognized bodies approved by the Council and obtained by convocation in person or in absentia. Any other qualifications such as medical degrees, doctorates, post- doctoral degrees or any degree that has bearing on the person's knowledge or exemplary qualification may be used as suffix in a manner that does not convey to the observer or patient a false impression regarding the practitioner's knowledge or ability as a dental professional. Abbreviations of memberships in association or organizations of professionals should not be used as abbreviations in a manner that is misleading to the public [refer to Article 8.9.3 of this document, Revised Dentists Code of Ethics Regulations, 2012 for relevant details].

3.5 Prescription of Drugs:

Every dental surgeon should take care to prescribe and administer drugs in a responsible manner and ensure safe and rational use of drugs. He should as far as possible, prescribe drugs in a generic form.

3.5 Prescription of Drugs:

Every dental surgeon should take care to prescribe and administer drugs in a responsible manner and ensure safe and rational use of drugs. He should as far as possible, prescribe drugs in a generic form.

3.6 Highest Quality Assurance in patient care:

Every Dental practitioner should ensure quality treatment that does not compromise the outcome of treatment. He must be vigilant about malpractice by other practitioners that may jeopardize the lives of others and which are likely to cause harm to the public. All practitioners should be aware of unethical practices and practices by unqualified persons. Dentists/ Dental Surgeons shall not employ in connection with their professional practice any attendant who is neither registered nor enlisted under the Dentists Act and shall not permit such persons to attend, treat or perform operations upon patients wherever professional discretion or skill is required.

3.7 Exposure of Unethical Conduct:

A Dental Surgeon should expose, without fear or favour, incompetent or corrupt, dishonest or unethical conduct on the part of members of the profession. It is the responsibility of the dental surgeon to report to the competent authorities' instances of quackery and any kind of abuse



DCI CODE OF CONDUCT

including doctor-patient sexual misconduct, misuse of fiduciary relationship, child abuse and other social evils that may come to their attention.

3.8 Payment of Professional Services:

The Dental Surgeon, engaged in the practice of his profession shall give priority to the interests of patients. The personal financial interests of a dental surgeon should not conflict with the medical interests of patients. A dental practitioner should announce his fees before rendering service and not after the operation or treatment is under way. Remuneration received for such services should be in the form and amount specifically announced to the patient at the time the service is rendered. It is unethical to enter into a contract of "no cure - no payment". Dental Surgeons rendering service on behalf of the State shall refrain from anticipating or accepting any consideration. While it is not mandatory to offer free consultations to fellow dental or medical professionals and their immediate family, it will be deemed a courtesy to offer free or subsidized consultations and treatment to them in situations where no significant expenses are incurred.

3.9 Observation of Statutes:

The Dental Surgeon shall observe the laws of the country in regulating the practice of his profession including the Dentists' Act 1948 and its amendments and shall also not assist others to evade such laws. He should be cooperative in observance and enforcement of sanitary laws and regulations in the interest of public health. He should observe the provisions of the State Acts like Drugs and Cosmetics Act, 1940; Pharmacy Act, 1948; Narcotic Drugs and Psychotropic substances Act, 1985; Environmental Protection Act, 1986; Drugs and Magic Remedies (Objectionable Advertisement) Act, 1954; Persons with Disabilities (Equal Opportunities and Full Participation) Act, 1995 and Bio - Medical Waste (Management and Handling) Rules, 1998 and such other Acts, Rules, Regulations made by the Central/State Governments or local Administrative Bodies or any other relevant Act relating to the protection and promotion of public health.

5

3.10 Signing Professional Certificates, Reports and other Documents:

A Registered Dental Surgeon involved independently in the treatment of dental and oral surgical



INTEGRATED BIOETHICS BDS CURRICULUM

First Year BDS curriculum

The history and development and the basics principles of bioethics would be addressed along with the bioethical concepts related to General Anatomy including Embryology and Histology; General Human Physiology including Biochemistry, Nutrition and Dietetics; and Dental Anatomy, Embryology and Oral Histology.

General Human Anatomy including Embryology and Histology:

- Ethical issues relating to the cadave
- Privacy Confidentiality
- Human Dignity & respect
- Disposal of cadaver and organs
- Genetic counselling
- ØPNDT Act

General Human Physiology and Biochemistry, Nutrition and Dietetics:

- Animal ethics
- Research Ethics
- Volunteering for experiments and studies
- Health Policy
- Privacy Confidentiality in relation to tests and results

- Prudency of investigations
- Disposal of investigative material Integrity
- Fee splitting
- Genetically modified plants and animals

Dental Anatomy, Embryology and Oral Histology:

- Ethical issues related to specimens, teeth etc
- Disposal of tissues and organs
- Privacy confidentiality of tests, reports

Dental Materials:

- Biocompatibility
- Biomaterials and biosafety
- Clinical testing and research
- Indigenous materials / Cheaper materials
- Sources of dental materials especially grafts and implants

Preclinical Prosthodontics and Crown & Bridge:

- Privacy and confidentiality
- Respect for patients
- Choice of materials
- Ethical issues of treatment planning
- Technician rights

Second Year BDS Curriculum

The students would be taught the specific bioethical concepts such as beneficence, non-maleficence, justice and autonomy, informed consent and professional code of ethics as applicable to the oral healthcare setting. Along with the teaching of Dental materials the concepts of biosafety and research ethics would be adequately covered.

General Pathology and Microbiology:

- Prudency of investigations
- Privacy and confidentiality
- Blood transfusion and testing
- Collection and Disposal of investigative material
- Ownership of investigative material
- Hospital waste management
- Technician rights

General and Dental Pharmacology and Therapeutics:

- Rational drug use and prescribing
- Clinical trials
- Animal Ethics
- Drug wastage administration and disposal
- Drug Information Services
- Poly pharmacy
- Benefit and Harm

Dental Materials:

- Biocompatibility
- Biomaterials and biosafety
- Clinical testing and research
- Indigenous materials / Cheaper materials
- Sources of dental materials especially grafts and implants



INTEGRATED BIOETHICS BDS CURRICULUM

Preclinical Conservative Dentistry:

- Privacy and confidentiality
- Respect for patients
- Choice of materials
- Ethical issues of treatment planning
- Informed consent

Preclinical Prosthodontics and Crown & Bridge:

- Privacy and confidentiality
- Respect for patients
- Choice of materials
- Ethical issues of treatment planning
- Informed consent
- Technician rights

Oral Pathology & Oral Microbiology:

- Prudence of investigations
- Privacy and confidentiality
- Blood transfusion and testing
- Collection and Disposal of investigative material
- Ownership of investigative material
- Genetic research
- Stem cell research
- Bio-banking of stem cells
- Technician rights
- Drug resistance
- Sterilization and Handwashing
- Environmental concerns

Third Year BDS

The students would be moving on to clinical settings in Medicine and Surgery as well as being on rotation in the various clinical undergraduate dental departments.

Thus the topics of bedside ethics, breaking bad news, beginning of life and end of life issues would be ideally integrated into the regular curriculum of the students.

General Medicine:

- Rational drug use
- Prudence in testing and diagnostic testing

- Benefit and Harm
- Breaking bad news
- Doctor's rights; Patient's Rights
- Informed consent

General Surgery:

- Rational drug use
- Prudence in testing and diagnostic testing
- Benefit and Harm
- Brain death
- Organ transplantation
- Breaking bad news
- Doctor's rights; Patient's Rights
- Informed consent
- Futility of treatment
- End of life issues
- Palliative care

Oral Pathology and Oral Microbiology:

- Prudence of investigations
- Privacy and confidentiality
- Blood transfusion and testing
- Collection and Disposal of investigative material
- Ownership of investigative material
- Genetic research
- Stem cell research
- Bio-banking of stem cells
- Drug resistance
- Sterilization and Handwashing

Conservative Dentistry & Endodontics:

- Rational drug use
- Prudence in testing and diagnostic testing
- Benefit and Harm
- Breaking bad news
- Doctor's rights; Patient's Right
- Informed consent
- Futility of treatment
- End of life issues
- Palliative care



Oral & Maxillofacial Surgery:

- Rational drug use
- Prudency in testing and diagnostic testing
- Benefit and Harm
- Breaking bad news
- Doctor's rights; Patient's Rights
- Informed consent
- Implants and grafts
- Brain death
- Futility of treatment
- End of life issues
- Palliative care

Oral Medicine and Radiology:

- Rational drug use
- Prudency in testing and diagnostic testing
- Benefit and Harm
- Breaking bad news
- Doctor's rights; Patient's Rights
- Informed consent
- Futility of treatment
- Radiation Hazard
- End of life issues
- Palliative care

Orthodontics & Dentofacial Orthopaedics:

- Biocompatibility
- Biomaterials and biosafety
- Clinical testing and research
- Indigenous materials / Cheaper materials
- Sources of dental materials especially grafts and implants

and implants

- Informed consent
- Vulnerable population
- Prudency in testing and diagnostic testing
- Implants and grafts
- Benefit and Harm
- Ethical issues of paediatric patients
- Doctor's rights; Patient's Rights
- Alternatives of treatment
- Ethical choices
- Fee splitting

Paediatric & Preventive Dentistry:

- Biocompatibility
- Biomaterials and biosafety
- Clinical testing and research
- Informed consent
- Prudency in testing and diagnostic testing
- Vulnerable population
- Benefit and Harm
- Ethical issues of paediatric patients
- Doctor's rights; Patient's Rights
- Alternatives of treatment
- Ethical choices Fee splitting

Periodontology:

- Biocompatibility
- Biomaterials and biosafety
- Clinical testing and research
- Indigenous materials / Cheaper materials
- Sources of dental materials especially grafts and implants

Rational drug use

- Prudency in testing and diagnostic testing
- Benefit and Harm
- Stem cell therapy
- Doctor's rights; Patient's Rights
- Informed consent
- Implants and grafts
- Alternatives of treatment Ethical choices
- Fee splitting

Prosthodontics and Crown & Bridge:

- Biocompatibility
- Biomaterials and biosafety
- Clinical testing and research
- Indigenous materials / Cheaper materials
- Sources of dental materials especially grafts and implants

and implants

- Prudency in testing and diagnostic testing
- Implants and grafts
- Benefit and Harm
- Vulnerable population
- Breaking bad news
- Doctor's rights; Patient's Rights



- Technician rights
- Informed consent
- Futility of treatment
- End of life issues Palliative care

Public Health Dentistry:

- Benefit and Harm
- Breaking bad news
- Doctor's rights; Patient's Rights
- Health laws
- Informed consent
- Justice and equal distribution of public health resources

resources

- National Oral health Programmes
- Access to oral health Care
- Futility of treatment
- End of life issues
- Palliative care
- Environmental ethic
- Professional Ethics,
- Ethics of Research, Publishing and Academics
- Ethics of Record keeping and documentation

Conservative Dentistry & Endodontics:

- Rational drug use
- Prudence in testing and diagnostic testing
- Benefit and Harm
- Breaking bad news
- Doctor's rights; Patient's Rights
- Informed consent
- Futility of treatment
- End of life issues
- Palliative care

Public Health Dentistry:

- Benefit and Harm
- Breaking bad news
- Doctor's rights; Patient's Rights
- Health laws
- Informed consent
- Justice and equal distribution of public health resources

- National Oral health Programmes

- Access to oral health Care
- Futility of treatment
- End of life issues
- Palliative care
- Environmental ethics
- Professional Ethics and Advertising
- Ethics of Research, Publishing and Academics
- Ethics of Record keeping and documentation

Overall the aim should be to ensure that the students are prepared for the following major educational outcomes:

- How to recognise and analyse an ethical dilemma;
- The reasoning, argument, and judgment about a particular course of action;
- What is the commitment to ethical principles of the profession; and
- How to implement the ideal plan of action.
- The fact that ethics and professionalism instruction are being included in each year of the dental undergraduate program with specific focus on ethical issues of the profession will definitely improve the commitment, professionalism, and reasoning and judgment abilities of the students. Vertical integration into the existing curriculum, guided by trained faculty members and the involvement of students in ethical discussions during chair-side clinical evaluation of patients will ensure that the ultimate goal of making the students aware of their all-round responsibility as health professionals is achieved.

Innovative Teaching-Learning and Assessment Approaches:

Workshops, Small Groups, Problem-Based Learning and Role Play

- Didactic methods and other traditional teaching methods are no more considered effective means of teaching bioethics.
- This group approach facilitates student interactions; encourages active research, reading, and also a discussion of ethical dilemmas. Such interactions expect the students to examine and defend their personal ethical belief systems and



also understand the ethical perspectives of their peer group.

- This small-group learning format also helps to encourage student - faculty dialogue and introspection. Here the faculty serve as role models for their students with respect to demonstrating ethical standards and behaviour. Role-playing has also been identified as an effective teaching method in ethics and professionalism.

- Problem-based learning (PBL) has also been effectively used in groups to teach bioethics in medical school curricula and provides equally opportune learning experiences in dental education. These may also be used for the purpose of assessment by observing students behaviour and responses.

Case-Based Learning:

- One of the most effective means of teaching bioethics is in the form of Case-Based Learning using real patient cases.

- Dental faculty who adopt this means of education will find that it captures the students attention and makes the bioethics lesson to be clinically relevant. A case based approach to learning also increases the student-instructor interaction, enhances the learning outcomes and can easily be used to assess the standard of learning in the students.

Innovative Teaching- Learning Materials:

- Innovative teaching materials such as the viewing of movies that stimulate ethical questions are another method to enhance the teaching of bioethics. Small narratives or real life stories may be used for student reflection.

- In this way the students are encouraged to consider the overall context of ethical dilemmas rather than examining these issues as isolated events. Other tools that facilitate observational learning may also be incorporated into effective bioethics teaching in medicine and in dentistry.

- These may be in the form of taped and live video of both real patients and "simulated

patients". Subsequently, the students may be asked to write down their responses or answer subjective questions for the purpose of assessment.

Multidisciplinary faculty teaching:

- Interdisciplinary approach to teaching that utilizes instructors from varied disciplines (e.g., ethics, medicine, psychology and law) has proved to be invaluable in the effective teaching of ethics to medical students.

- Interdisciplinary education emphasises the need for physicians to value the perceptions of people from varying backgrounds and acts as a model for subsequent inter-professional collaboration.

- Such approaches can provide dental undergraduate students with valuable insight into ethical decision-making as well as important exposure to the multidisciplinary team process.

Critical Needs to be addressed:

Need 1: Integrated Bioethics Curriculum

- Ethics needs to be fully integrated across the curriculum, including suitable carryover into the clinical years, clinical seminars, chair-side, and/or other formal hands-on courses.

- The suggested integration both horizontally and vertically of bioethics into the dental undergraduate curriculum will ensure that this need is met.

- The next step will be to ensure that the same principles are discussed, reflected upon and implemented in all stages of dental post-graduate education

Need 2. The need to assess and ensure ethical competence.

- The bioethical aspects need to be translated into professional competence and behavioural manifestation of ethical competence (moral sensitivity, moral reasoning & judgment, and moral implementation).

- Ethical competence needs to be comprehensively assessed at both the theoretical as well as the practical examinations.



- This may be done by means of recorded patient-doctor interaction; use of standardised patients, suitably designed OSCE, role plays etc.

Need 3. The need for faculty development.

- There is an urgent need for immediate sensitization and training for effective faculty development to implement the teaching of bioethics across the curriculum and ensure that the teachers act as ideal role models.

- The 3T Bioethics Training Programme of the Indian Programme of the UNESCO Chair in Bioethics(Haifa) for healthcare faculty is a welcome step in this regard and needs to be taken forward among the dental schools as well.

Need 4. The need for innovative methods of instruction.

- There is the immediate need for transformation of the traditional teaching-learning methodologies in vogue in all undergraduate dental schools. Innovative teaching methodologies such as small-group, case-based methods; role-playing, movies, narratives etc will promote active learning, and enhance self-assessment/reflective practice in the field of bioethics.

MEDIA COVERAGE

PANELISTS:
 DR. RAJIV AHLUWALIA
 MEENAKSHI LEKHI
 DR. NARENDRA SAINI
 DR. NARESH TREHAN



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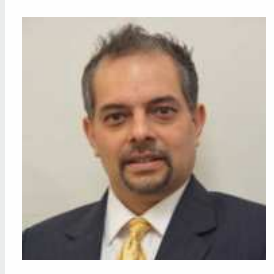
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Watch the captivating YouTube video and read about the groundbreaking flashmob that captured the hearts of millions and earned a prestigious shoutout in a prominent newspaper, showcasing the resounding success of our noble cause.



THE EDITOTIAL TEAM



Dr. Rajiv Ahluwalia
Head, National Dental Bioethics Unit



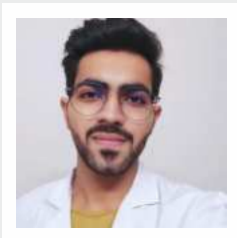
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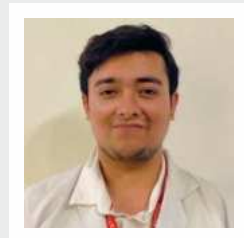
Nemisha Sharma



Kaif Malik



Sarthak Garg



Prithu Sharma



D. Anirudh



Bhawna Mishra

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SANTOSH
Deemed to be University

No. 1 Santosh Nagar, Pratap Vihar,
Ghaziabad (Delhi NCR)
+91 78385 54410 | +91 78385 54404