



**RANJEET DESHMUKH DENTAL COLLEGE AND RESEARCH
CENTRE, NAGPUR
Board of Research Studies**

Topic: Challenges in Biomaterials with Special Attention to Dentistry

Speaker: Prof Jatin Bhatt, Dept. of Metallurgical and Materials Engg. VNIT Nagpur

At Pride Hall, RDDCRC, Nagpur

Date: 26th July 2024

Brief report:

Dr Abhay Kolte (Dean, Chairman BORS, HOD- Dept of Periodontics, RDDCRC) and Dr Mukta Motwani (Vice Dean Clinical and Co-chairman BORS) welcomed the speaker and the participants. Dr Saeed Deshpande (Assoc Prof Dept of Prosthodontics, Member BORS) introduced the speaker.

Dr Bhatt said Challenges in biomaterials, especially in dentistry, include ensuring long-term biocompatibility and avoiding adverse tissue responses. He stated that developing materials with optimal strength, esthetics, and durability under complex oral conditions remains difficult. Additionally, integrating advanced biomaterials into clinical practice is limited by high costs, regulatory hurdles, and the need for extensive clinical validation. He discussed various bio-materials and their properties especially metals used for dental implants. He also shared various research avenues available for collaborative research to come up with novel materials to be used in dentistry.

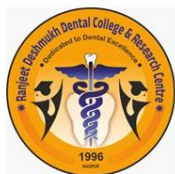
Participants including staff, PGs and Interns engaged in interactive Q and A session after the session.

Dr Kolte felicitated the speaker with certificate and Dr Saeed gave concluding remarks.



Dr Abhay Kolte

Dean, Chairman BORS-RDDCRC, Nagpur



Board of Research Studies (BORS)

Ranjeet Deshmukh Dental College and Research
Centre, Nagpur

**Topic: Challenges in
Biomaterials with Special
Attention to Dentistry**
Speaker: Prof Jatin Bhatt
Date: 26th July 2024



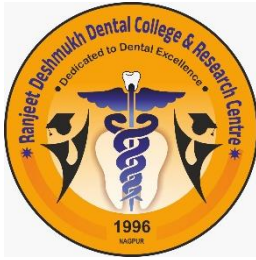

Dr Abhay Kolte

Dean

Chairman BORS

Ranjeet Deshmukh Dental College and Research Centre, Nagpur





RANJEET DESHMUKH DENTAL COLLEGE AND RESEARCH
CENTRE, NAGPUR
Formerly known as VSPM's Dental College and Research centre, Nagpur

Board of Research Studies

Topic- Grant opportunities for dental research

Date- 30th July 2024, Speaker- Dr Saeed Deshpande

Venue: PRIDE Hall, RDDCRC, Nagpur

Brief report:

To promote the culture of innovation in research and start-ups and the board of research studies (BORS) organized a CDE programme on this occasion.

The speaker was **Dr Saeed Deshpande** (Professor, Dept of Prosthodontics, and Co-ordinator Incubation Cell, RDDCRC, Nagpur).

Dr Vrushali Modi (Member BORS, RDDCRC, Nagpur) welcomed and introduced the speaker to the audience.

Dr Saeed explained that Grant opportunities for dental research are expanding as the field increasingly intersects with public health, genetics, technology, and regenerative medicine. Funding bodies such as national research councils, dental associations, and international health organizations regularly support projects that advance understanding of oral diseases, improve diagnostic tools, and develop innovative treatment strategies. She discussed various opportunities like early-career grants, collaborative research funding, and specialized calls focusing on areas like biomaterials, precision dentistry, epidemiology, and health-care accessibility as well as foundations that encourage interdisciplinary proposals that integrate engineering, data science, and genomics to address complex oral-health challenges. She emphasized that these grants not only provide financial support but also help researchers build networks, generate impactful evidence, and contribute to improved clinical practice and public-health outcomes in dentistry.

Dr Abhay Kolte (Dean and Chairman of BORS, RDDCRC, Nagpur) and Dr Mukta Motwani (Vice Dean and Co-Chairman BORS, RDDCRC, Nagpur) felicitated the speaker.

The programme was attended by faculty members and students, and it was well received by the audience.

Dr Abhay Kolte

Dean, Chairman BORS-RDDCRC, Nagpur





Board of Research Studies **Ranjeet Deshmukh Dental College and Research** **Centre, Nagpur**

**Topic- Grant opportunities for
dental research**

Date- 30th July 2024

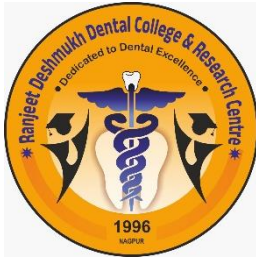
Speaker- Dr Saeesh Deshpande



Dr Abhay Kolte

Dean and Chairman BORS

RDDCRC, Nagpur



RANJEET DESHMUKH DENTAL COLLEGE AND RESEARCH
CENTRE, NAGPUR
Formerly known as VSPM's Dental College and Research centre, Nagpur

Board of Research Studies

Topic- Concept of IPR and its implications in dentistry

Date- 7th August 2024

Speaker- Dr Chetana Makade

Venue: PRIDE Hall, RDDCRC, Nagpur

Brief report:

To promote the culture of innovation in research and start-ups and the board of research studies (BORS) organized a CDE programme on this occasion.

The speaker was **Dr Chetana Makde** (Assoc. Professor, Dept of Conservative Dentistry and Endodontics, RDDCRC, Nagpur).

Dr Saeed Deshpande (Member BORS, RDDCRC, Nagpur) welcomed and introduced the speaker to the audience.

Dr Chetana explained that in dentistry, IPR plays a crucial role as the field increasingly embraces innovation in biomaterials, dental devices, digital technologies, pharmaceuticals, and clinical techniques. She discussed regarding patents which safeguard novel instruments, dental materials, and software used for diagnostics or treatment planning, allowing innovators to commercialize their products while encouraging further research and development. She also explained role of copyrights for protecting educational content, clinical guidelines, digital imaging systems, and academic publications, while trademarks help distinguish dental products and services in the market. She emphasized that understanding IPR is essential for dental researchers, clinicians, and industry partners because it ensures ethical use of innovations, prevents infringement issues, promotes technology transfer, and supports the translation of scientific discoveries into safe and accessible clinical applications.

Dr Abhay Kolte (Dean and Chairman of BORS, RDDCRC, Nagpur) and Dr Mukta Motwani (Vice Dean and Co-Chairman BORS, RDDCRC, Nagpur) felicitated the speaker.

The programme was attended by faculty members and students, and it was well received by the audience.

Dr Abhay Kolte

Dean, Chairman BORS-RDDCRC, Nagpur





Board of Research Studies

Ranjeet Deshmukh Dental College and Research Centre, Nagpur

**Topic- Concept of IPR and its
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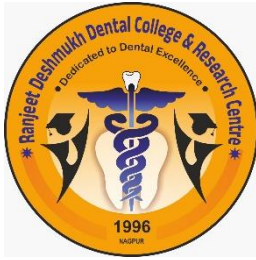
Speaker- Dr Chetana Makade



Dr Abhay Kolte

Dean and Chairman BORS

RDDCRC, Nagpur



RANJEET DESHMUKH DENTAL COLLEGE AND RESEARCH
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Board of Research Studies

Topic- Qualitative research

Date- 23rd August 2024

Speaker- Dr Madhur Gupta

Venue: PRIDE Hall, RDDCRC, Nagpur

Brief report:

To promote the culture of excellence in research board of research studies (BORS) organized a CDE programme on this occasion.

The speaker was **Dr Madhur Gupta** (Professor and HOD, Dept of Biochemistry, RDDCRC, Nagpur).

Dr Saeed Deshpande (Member BORS, RDDCRC, Nagpur) welcomed and introduced the speaker to the audience.

Dr Gupta explained that qualitative research is an approach that seeks to understand human experiences, behaviors, and perceptions by exploring the “why” and “how” behind them. She stated that instead of relying on numerical data, it uses methods such as interviews, focus groups, observations, and content analysis to gather rich, detailed insights. She emphasized that this approach is particularly valuable in healthcare and social sciences, where understanding patient perspectives, communication patterns, professional experiences, and cultural influences can inform better decision-making and improve practices. She explained how qualitative research provides a holistic understanding of complex issues, supporting the development of more patient-centered, empathetic, and effective policies and interventions.

Dr Abhay Kolte (Dean and Chairman of BORS, RDDCRC, Nagpur) and Dr Mukta Motwani (Vice Dean and Co-Chairman BORS, RDDCRC, Nagpur) felicitated the speaker.

The programme was attended by faculty members and students, and it was well received by the audience.

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Dean, Chairman BORS-RDDCRC, Nagpur



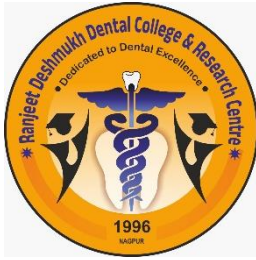


Board of Research Studies **Ranjeet Deshmukh Dental College and Research** **Centre, Nagpur**

Topic- Qualitative research
Date- 23rd August 2024
Speaker- Dr Madhur Gupta



Dr Abhay Kolte
Dean and Chairman BORS
RDDCRC, Nagpur



RANJEET DESHMUKH DENTAL COLLEGE AND RESEARCH
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Board of Research Studies

Topic- Systematic review and meta-analysis

Date- 3rd September 2024

Speaker- Dr Kalyani Deshmukh

Venue: PRIDE Hall, RDDCRC, Nagpur

Brief report:

To promote the quality in secondary research board of research studies (BORS) organized a CDE programme on this occasion.

The speaker was **Dr Kalyani Deshmukh** (Research Associate TRC on SRMA, AIIMS, Nagpur).

Dr Saeed Deshpande (Member BORS, RDDCRC, Nagpur) welcomed and introduced the speaker to the audience.

Dr Kalyani explained how systematic reviews and meta-analyses play a vital role in dental research by synthesizing evidence from multiple studies to provide clear, reliable answers to clinical and scientific questions. She stated that through rigorous, transparent methods, systematic reviews minimize bias and evaluate the quality and consistency of existing literature, helping researchers and clinicians understand the overall strength of evidence on topics ranging from treatment effectiveness to risk factors and diagnostic accuracy. She emphasized that these evidence-based tools support informed clinical decision-making, guide policy development, identify gaps in current knowledge, and help establish best practices in dentistry, ultimately contributing to improved patient outcomes and more efficient research efforts.

Dr Abhay Kolte (Dean and Chairman of BORS, RDDCRC, Nagpur) and Dr Mukta Motwani (Vice Dean and Co-Chairman BORS, RDDCRC, Nagpur) felicitated the speaker.

The programme was attended by post-graduate students, and it was well received by the audience.

Dr Abhay Kolte

Dean, Chairman BORS-RDDCRC, Nagpur





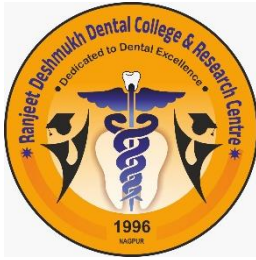
Board of Research Studies

Ranjeet Deshmukh Dental College and Research Centre, Nagpur

**Topic- Systematic review and
meta-analysis**
Date- 3rd September 2024
Speaker- Dr Kalyani Deshmukh



Dr Abhay Kolte
Dean and Chairman BORS
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RANJEET DESHMUKH DENTAL COLLEGE AND RESEARCH
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Board of Research Studies

Topic- Critical evaluation of scientific publications (Journal Club)

Date- 25th September 2024

Speaker- Dr Surekha Rathod

Venue: oral pathology lecture hall, RDDCRC, Nagpur

Brief report:

To promote the quality in evidence based practice and research board of research studies (BORS) organized a CDE programme on this occasion.

The speaker was **Dr Surekha Rathod** (Professor, Dept of Periodontics, RDDCRC, Nagpur).

Dr Saeed Deshpande (Member BORS, RDDCRC, Nagpur) welcomed and introduced the speaker to the audience.

Dr Rathod explained how the process of critically evaluating scientific publications through a Journal Club is an essential component of postgraduate dental education, helping students develop the skills needed to assess the quality, validity, and applicability of research. She discussed the contents of a typical Journal Club, in which participants systematically review selected articles by examining the study design, methodology, statistical analysis, results, and conclusions, while also identifying potential biases, limitations, and ethical considerations. She emphasized that this structured discussion encourages active learning, critical thinking, and evidence-based reasoning, enabling students to discern strong research from weak or flawed studies. She stated that by engaging with current literature, dental postgraduates stay updated with scientific advancements, refine their ability to translate research findings into clinical practice, and cultivate lifelong habits of inquiry and professional growth.

Dr Abhay Kolte (Dean and Chairman of BORS, RDDCRC, Nagpur) and Dr Mukta Motwani (Vice Dean and Co-Chairman BORS, RDDCRC, Nagpur) felicitated the speaker.

The programme was attended by post-graduate students, and it was well received by the audience.

Dr Abhay Kolte

Dean, Chairman BORS-RDDCRC, Nagpur





Board of Research Studies

Ranjeet Deshmukh Dental College and Research Centre, Nagpur

**Topic- Critical evaluation of scientific
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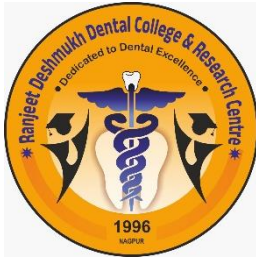
Speaker- Dr Surekha Rathod



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RANJEET DESHMUKH DENTAL COLLEGE AND RESEARCH
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Board of Research Studies

Topic- Scope of research in biomedical devices

Date- 21st October 2024

Speaker- Dr Saeed Deshpande

Venue: Oral pathology lecture hall, RDDCRC, Nagpur

Brief report:

To promote the innovations in dental research board of research studies (BORS) organized a CDE programme on this occasion.

The speaker was **Dr Saeed Deshpande** (Professor, Dept of Prosthodontics, and Co-ordinator Incubation Cell, RDDCRC, Nagpur).

Dr Vrushali Modi (Member BORS, RDDCRC, Nagpur) welcomed and introduced the speaker to the audience.

Dr Deshpande explained that scope of research in biomedical devices in dentistry is expanding rapidly as advances in engineering, materials science, and digital technology transform oral healthcare. She emphasized that innovations such as smart dental implants, bioactive materials, 3D-printed prosthetics, nanotechnology-based coatings, and sensor-integrated orthodontic appliances are opening new possibilities for improving precision, durability, and patient comfort. She discussed that research in this field also explores diagnostic devices—including intraoral scanners, optical imaging tools, and AI-assisted detection systems—that enhance early identification of dental diseases. She expressed confidence that with continuing interdisciplinary collaboration, biomedical device research is poised to address unmet clinical needs, streamline workflows, and contribute to safer, more effective, and personalized dental care.

Dr Abhay Kolte (Dean and Chairman of BORS, RDDCRC, Nagpur) and Dr Mukta Motwani (Vice Dean and Co-Chairman BORS, RDDCRC, Nagpur) felicitated the speaker.

The programme was attended by under-graduate students, and it was well received by the audience.

Dr Abhay Kolte

Dean, Chairman BORS-RDDCRC, Nagpur





Board of Research Studies
Ranjeet Deshmukh Dental College and Research
Centre, Nagpur

**Topic- Scope of research in
biomedical devices**

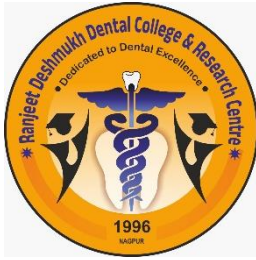
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RDDCRC, Nagpur



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Board of Research Studies

Topic- Role of computers and AI in dental research

Date- 19th November 2024

Speaker- Dr Amit Nakanekar

Venue: PRIDE hall, RDDCRC, Nagpur

Brief report:

To promote the efficiency in dental research board of research studies (BORS) organized a CDE programme on this occasion.

The speaker was **Dr Amit Nakanekar** (Assoc Professor, Govt Ayurvedic College, Nagpur).

Dr Saeed Deshpande (Member BORS, RDDCRC, Nagpur) welcomed and introduced the speaker to the audience.

Dr Amit explained how computers and artificial intelligence (AI) have become integral to modern dental research, enabling faster, more precise, and data-driven advancements across the field. High-performance computing supports complex simulations, image processing, and biomechanical analyses, while AI and machine learning algorithms enhance diagnostic accuracy by identifying patterns in radiographs, CBCT scans, and intraoral images that may be difficult for clinicians to detect. He explained that in research, AI assists in analysing large datasets, predicting treatment outcomes, optimizing study designs, and automating repetitive tasks such as data extraction in systematic reviews. He emphasized that by increasing efficiency, reducing human error, and uncovering new insights, computers and AI significantly accelerate innovation and strengthen the evidence base that guides clinical practice in dentistry.

Dr Abhay Kolte (Dean and Chairman of BORS, RDDCRC, Nagpur) and Dr Mukta Motwani (Vice Dean and Co-Chairman BORS, RDDCRC, Nagpur) felicitated the speaker.

The programme was attended by post-graduate students, and it was well received by the audience.

Dr Abhay Kolte

Dean, Chairman BORS-RDDCRC, Nagpur





Board of Research Studies **Ranjeet Deshmukh Dental College and Research** **Centre, Nagpur**

Topic- Role of computers and AI in dental research

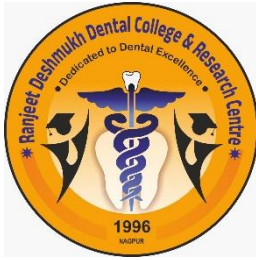
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Dr Abhay Kolte

Dean and Chairman BORS
RDDCRC, Nagpur



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Board of Research Studies

Topic- Ethical considerations in biomedical research

Date- 2nd December 2024

Speaker- Dr Ashish Bodhade

Venue: PRIDE hall, RDDCRC, Nagpur

Brief report:

To promote the ethical practice in conducting research board of research studies (BORS) organized a CDE programme on this occasion.

The speaker was **Dr Ashish Bodhade** (Assoc Professor, Dept of Oral Pathology, RDDCRC, Nagpur).

Dr Saeed Deshpande (Member BORS, RDDCRC, Nagpur) welcomed and introduced the speaker to the audience.

Dr Ashish explained how ethical considerations in biomedical research are essential to ensure that scientific advancement respects the dignity, rights, and well-being of all participants. He discussed in detail fundamental ethical principles—such as autonomy, beneficence, non-maleficence, and justice—guide every stage of research, from study design to data reporting. He emphasized that researchers must obtain informed consent, maintain confidentiality, and minimize risks while maximizing potential benefits. He underscored that transparency, honesty in data reporting, avoidance of conflicts of interest, and responsible use of emerging technologies such as genetics and AI are crucial to maintaining public trust. He stated that upholding these ethical standards not only protects participants but also strengthens the credibility, integrity, and societal impact of biomedical research.

.Dr Abhay Kolte (Dean and Chairman of BORS, RDDCRC, Nagpur) and Dr Mukta Motwani (Vice Dean and Co-Chairman BORS, RDDCRC, Nagpur) felicitated the speaker.

The programme was attended by interns and post-graduate students, and it was well received by the audience.

Dr Abhay Kolte

Dean, Chairman BORS-RDDCRC, Nagpur





Board of Research Studies Ranjeet Deshmukh Dental College and Research Centre, Nagpur

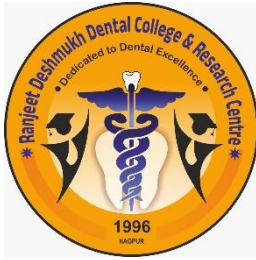
**Topic- Ethical considerations in
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Dr Abhay Kolte
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RANJEET DESHMUKH DENTAL COLLEGE AND RESEARCH
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Board of Research Studies

Topic- Writing research protocol

Date- 24th December 2024

Speaker- Dr Neelam Pande

Venue: PRIDE hall, RDDCRC, Nagpur

Brief report:

To promote the systematic approach in conducting dental research board of research studies (BORS) organized a CDE programme on this occasion.

The speaker was **Dr Neelam Pande** (Professor and HOD, Dept of Prosthodontics, RDDCRC, Nagpur).

Dr Saeed Deshpande (Member BORS, RDDCRC, Nagpur) welcomed and introduced the speaker to the audience.

Dr Pande explained and emphasized that a well-structured protocol clearly defines the research question, objectives, hypotheses, and rationale, ensuring that the study is grounded in existing evidence and addresses a meaningful gap. She stated that the protocol also specifies the study design, participant selection criteria, data collection procedures, outcome measures, and statistical analysis plan, promoting methodological rigor and reproducibility and includes considerations for ethical approval, potential risks, data management, and timelines. She discussed how by providing a transparent and systematic plan, a research protocol can enhance communication among team members, facilitates ethical review, and improves the likelihood of generating reliable, valid, and impactful scientific results.

Dr Abhay Kolte (Dean and Chairman of BORS, RDDCRC, Nagpur) and Dr Mukta Motwani (Vice Dean and Co-Chairman BORS, RDDCRC, Nagpur) felicitated the speaker.

The programme was attended by post-graduate students, and it was well received by the audience.

Dr Abhay Kolte

Dean, Chairman BORS-RDDCRC, Nagpur



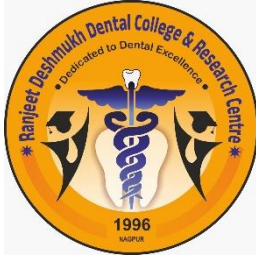


Board of Research Studies **Ranjeet Deshmukh Dental College and Research** **Centre, Nagpur**

Topic- Writing research protocol
Date- 24th December 2024
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Dr Abhay Kolte
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RANJEET DESHMUKH DENTAL COLLEGE AND RESEARCH
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Board of Research Studies

Topic- Questionnaire design

Date- 9th January 2025

Speaker- Dr Tapasya Karemore

Venue: PRIDE hall, RDDCRC, Nagpur

Brief report:

To promote the quality in observational research board of research studies (BORS) organized a CDE programme on this occasion.

The speaker was **Dr Tapasya Karemore** (Assoc. Professor, Dept of OMR, RDDCRC, Nagpur).

Dr Saeed Deshpande (Member BORS, RDDCRC, Nagpur) welcomed and introduced the speaker to the audience.

Dr Tapasya explained how questionnaire design for dental research is a systematic process that aims to gather accurate, relevant, and meaningful information from participants to address specific research objectives. She stated that a well-designed questionnaire begins with clearly defined goals, followed by the development of concise, unbiased, and logically structured questions that capture the variables of interest. She emphasized that researchers must select appropriate response formats—such as Likert scales, multiple-choice items, or open-ended questions—while ensuring that wording is simple, culturally appropriate, and easy for respondents to understand. She explained how effective questionnaire design minimizes respondent burden, reduces measurement errors, and ensures that collected data accurately reflect participants' knowledge, attitudes, behaviors, or experiences, ultimately contributing to robust and impactful dental research.

Dr Abhay Kolte (Dean and Chairman of BORS, RDDCRC, Nagpur) and Dr Mukta Motwani (Vice Dean and Co-Chairman BORS, RDDCRC, Nagpur) felicitated the speaker.

The programme was attended by interns, and it was well received by the audience.

Dr Abhay Kolte

Dean, Chairman BORS-RDDCRC, Nagpur





Board of Research Studies **Ranjeet Deshmukh Dental College and Research** **Centre, Nagpur**

Topic- Questionnaire designing
Date- 9th January 2025
Speaker- Dr Tapasya Karemore



Dr Abhay Kolte
Dean and Chairman BORS
RDDCRC, Nagpur



**RANJEET DESHMUKH DENTAL COLLEGE AND RESEARCH
CENTRE, NAGPUR
Board of Research Studies**

BASIC RESEARCH METHODOLOGY WORKSHOP (Under the aegis of MUHS, Nashik)

Dates: 8-10 Jan 2025,

Venue: PRIDE Hall, RDDCRC, Nagpur

Resource faculty: Dr Abhay Kolte, Dr Rajshri Kolte, Dr Mukta Motwani, Dr Neelam Pande, Dr Surekha Rathod, Dr Vrinda Kolte, Dr Saeesh Deshpande, Dr Chetana Makde, Dr Ashish Bodhade, Dr Tapasya Karemore, Dr Pranjali Bawankar all from RDDCRC, Nagpur, Dr Sachin Khatri and Dr Varsha Manekar from GDCH, Nagpur and Dr Amit Nakanelar from Govt Ayurved College, Nagpur

Brief report:

The online registration received a very good response with total 49 post-graduate students from dental and physiotherapy background.

Day 1 started with pre-test, group formations, followed by the brief inaugural ceremony. Sessions and group activities were conducted as per the prescribed schedule. It included basic concept of bio-medical research, various study designs, literature search, data collection & representation methods. Participants also engaged in group activity of formulation of research question and selection of appropriate study design. It ended with feedback of the sessions.

Day 2 started with group activity on literature search and reference management. Sessions thereafter included lectures on Sampling Methods, sample size calculation, qualitative research, Questionnaire Designing, inferential statistics and writing a research protocol. It ended with feedback of the sessions. Group activity on sample size calculation was also conducted.

Day 3 covered topics like Ethical issues in medical research, Evaluation of Diagnostic test, Dissertation Writing (Annexure C), Critical evaluation of Journal Article, Computer assistance in data analysis. Group activity on selection, presentation and discussion of journal articles was conducted. Participants presented their final research projects and were given feedback on the same. It ended with daily and overall feedback and post-test evaluation.

Valedictory function was organized wherein Dr Abhay Kolte (Dean and Chairman BORS RDDCRC) and Dr Mukta Motwani (Vice Dean Clinical RDDCRC) felicitated the faculty members for conducting the workshop. Dr Kolte lauded the enthusiastic participation from all members. Dr Motwani thanked all resource faculty for sharing their valuable time and expertise. Dr Divya Kamnani (participant- student) said that deliberations and group activities were very useful for understanding research methodology.

Overall feedback for the workshop was very positive.

Dr Saeesh Deshpande

Workshop Co-ordinator



RDDCRC, Nagpur

Dr Abhay Kolte

Dean,



Board of Research Studies (BORS)

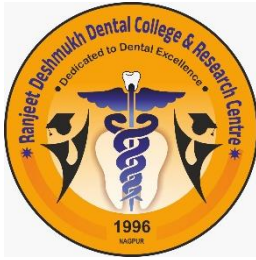
Ranjeet Deshmukh Dental College and Research Centre, Nagpur
Under Aegis of MUHS, Nashik

Basic Research Methodology Workshop Date: 8-10 Jan 2025



Dr Abhay Kolte

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Board of Research Studies

Topic- Role of diagnostic tests in research

Date-6th February 2025

Speaker- Dr Meenal Kulkarni

Venue: PRIDE hall, RDDCRC, Nagpur

Brief report:

To promote the quality in dental research board of research studies (BORS) organized a CDE programme on this occasion.

The speaker was **Dr Meenal Kulkarni** (Assoc. Professor, Dept of Community Medicine, NKPSIMS, Nagpur).

Dr Saeed Deshpande (Member BORS, RDDCRC, Nagpur) welcomed and introduced the speaker to the audience.

Dr **Kulkarni** explained how diagnostic tests play a crucial role in dental research by providing objective, measurable data that enhances understanding of oral diseases, treatment outcomes, and biological processes. She explained that these tests—ranging from imaging modalities like radiographs and CBCT to biochemical assays, microbiological analyses, and digital scanning technologies—help researchers accurately detect, quantify, and monitor pathological changes. She discussed their role in research settings, to enable early identification of disease markers, validation of new technologies, and comparison of the effectiveness of different treatment approaches. She stated that they also support the development of predictive models and evidence-based clinical protocols by offering reliable endpoints for analysis. She also mentioned that ultimately, the integration of advanced diagnostic tools strengthens the scientific rigor of dental research and contributes to innovations that improve patient care and oral health outcomes.

Dr Abhay Kolte (Dean and Chairman of BORS, RDDCRC, Nagpur) and Dr Mukta Motwani (Vice Dean and Co-Chairman BORS, RDDCRC, Nagpur) felicitated the speaker.

The programme was attended by post-graduate students, and it was well received by the audience.

Dr Abhay Kolte

Dean, Chairman BORS-RDDCRC, Nagpur





Board of Research Studies

Ranjeet Deshmukh Dental College and Research Centre, Nagpur

**Topic- Role of diagnostic tests in
research**

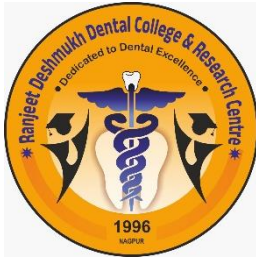
Date-6th February 2025

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Dr Abhay Kolte

Dean and Chairman BORS
RDDCRC, Nagpur



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Formerly known as VSPM's Dental College and Research centre, Nagpur

Board of Research Studies

Topic- Introduction to research in dentistry

Date- 25th February 2025

Speaker- Dr Abhay Kolte

Venue: PRIDE hall, RDDCRC, Nagpur

Brief report:

To promote the quality in dental research board of research studies (BORS) organized a CDE programme on this occasion.

The speaker was **Dr Abhay Kolte** (Professor and HOD, Dept of Periodontics, RDDCRC, Nagpur).

Dr Saeed Deshpande (Member BORS, RDDCRC, Nagpur) welcomed and introduced the speaker to the audience.

Dr **Kolte** explained how research in dentistry serves as the foundation for advancing knowledge, improving clinical practice, and enhancing patient care within the field of oral health, encompassing a wide array of scientific approaches—from basic laboratory studies exploring biological mechanisms to clinical trials evaluating new treatments and public-health research assessing disease patterns and preventive strategies and how systematic investigation of oral diseases, materials, technologies, and patient behaviors, dental research helps identify evidence-based solutions to current challenges and guides the development of innovative diagnostic tools, therapeutic techniques, and biomaterials. He emphasized that ultimately, research in dentistry drives continuous improvement in patient care, supports policy-making, and contributes to the overall advancement of oral and systemic health..

Dr Mukta Motwani (Vice Dean and Co-Chairman BORS, RDDCRC, Nagpur) felicitated the speaker.

The programme was attended by interns, and it was well received by the audience.

Dr Abhay Kolte

Dean, Chairman BORS-RDDCRC, Nagpur





Board of Research Studies

Ranjeet Deshmukh Dental College and Research Centre, Nagpur

**Topic- Introduction to research in
dentistry**

Date- 25th February 2025

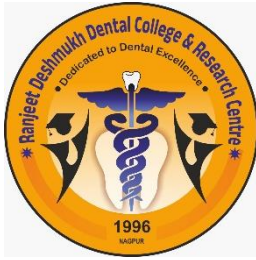
Speaker- Dr Abhay Kolte



Dr Abhay Kolte

Dean and Chairman BORS

RDDCRC, Nagpur



RANJEET DESHMUKH DENTAL COLLEGE AND RESEARCH
CENTRE, NAGPUR
Formerly known as VSPM's Dental College and Research centre, Nagpur

Board of Research Studies

Topic- Synopsis writing

Date-3rd March 2025

Speaker- Dr Mukta Motwani

Venue: PRIDE Hall, RDDCRC, Nagpur

Brief report:

To promote the culture of innovation in research and start-ups and the board of research studies (BORS) organized a CDE programme on this occasion.

The speaker was **Dr Mukta Motwani** (Vice Dean and Co-Chairman BORS, RDDCRC, Nagpur).

Dr Saeed Deshpande (Member BORS, RDDCRC, Nagpur) welcomed and introduced the speaker to the audience.

Dr Motwani explained that synopsis writing for dental students is an important academic skill that lays the groundwork for a well-structured and meaningful research project. She explained how a synopsis provides a concise overview of the proposed study, outlining the research problem, objectives, rationale, and relevance to current dental science including a brief review of existing literature, a clear statement of the hypothesis or research question, and a description of the methodology—such as study design, sampling methods, data collection tools, and planned statistical analyses. She emphasized that a well-prepared synopsis also addresses ethical considerations, expected outcomes, and the potential impact of the research on clinical practice or public health.

Dr Abhay Kolte (Dean and Chairman of BORS, RDDCRC, Nagpur) felicitated the speaker.

The programme was attended by faculty members and students, and it was well received by the audience.

Dr Abhay Kolte

Dean, Chairman BORS-RDDCRC, Nagpur



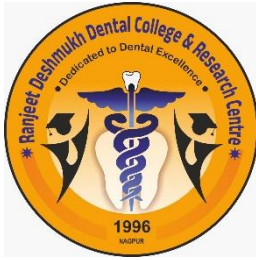


Board of Research Studies
Ranjeet Deshmukh Dental College and Research
Centre, Nagpur

Topic- Synopsis writing
Date-3rd March 2025
Speaker- Dr Mukta Motwani



Dr Abhay Kolte
Dean and Chairman BORS
RDDCRC, Nagpur



RANJEET DESHMUKH DENTAL COLLEGE AND RESEARCH
CENTRE, NAGPUR
Formerly known as VSPM's Dental College and Research centre, Nagpur

Board of Research Studies

Topic- A practical guide for conducting literature search

Date- 24th March 2025

Speaker- Dr Ashish Bodhade

Venue: PRIDE hall, RDDCRC, Nagpur

Brief report:

To promote the quality in research board of research studies (BORS) organized a CDE programme on this occasion.

The speaker was **Dr Ashish Bodhade** (Assoc Professor, Dept of Oral Pathology, RDDCRC, Nagpur).

Dr Saeed Deshpande (Member BORS, RDDCRC, Nagpur) welcomed and introduced the speaker to the audience.

Dr **Bodhade** explained how conducting a literature review for dental research involves a structured, comprehensive process to identify, evaluate, and synthesize existing scientific evidence relevant to a specific research question. He elaborated step by step procedure beginning with a clearly defined the topic and formulating focused research questions or keywords and how using these terms, researchers search multiple reliable databases—such as PubMed, Scopus, and Google Scholar—to gather peer-reviewed articles, guidelines, and relevant reports. He demonstrated how after retrieving the literature, studies are screened based on inclusion and exclusion criteria to ensure relevance and quality. He showed how the selected articles are then critically appraised to assess their methodology, findings, strengths, and limitations. Finally, he showed how the information is organized and synthesized to highlight current knowledge, gaps, and trends, providing a solid foundation for developing new research questions, designing studies, and contextualizing findings within existing evidence in dentistry.

Dr Abhay Kolte (Dean and Chairman of BORS, RDDCRC, Nagpur) and Dr Mukta Motwani (Vice Dean and Co-Chairman BORS, RDDCRC, Nagpur) felicitated the speaker.

The programme was attended by post-graduate students, and it was well received by the audience.

Dr Abhay Kolte

Dean, Chairman BORS-RDDCRC, Nagpur





Board of Research Studies

Ranjeet Deshmukh Dental College and Research Centre, Nagpur

**Topic- A practical guide for
conducting literature search**

Date- 24th March 2025

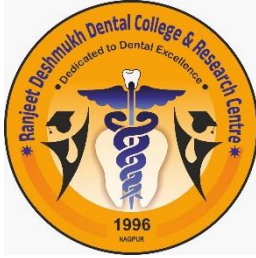
Speaker- Dr Ashish Bodhade



Dr Abhay Kolte

Dean and Chairman BORS

RDDCRC, Nagpur



RANJEET DESHMUKH DENTAL COLLEGE AND RESEARCH
CENTRE, NAGPUR
Formerly known as VSPM's Dental College and Research centre, Nagpur

Board of Research Studies

Topic- Inferential statistics

Date- 7th April 2025

Speaker- Dr Sachin Khatri

Venue: PRIDE Hall, RDDCRC, Nagpur

Brief report:

To promote the culture of innovation in research and start-ups and the board of research studies (BORS) organized a CDE programme on this occasion.

The speaker was **Dr Sachin Khatri** (Assoc Professor, Dept of Public Health Dentistry, GDCH, Nagpur).

Dr Saeed Deshpande (Member BORS, RDDCRC, Nagpur) welcomed and introduced the speaker to the audience.

Dr Sachin explained how inferential statistics is essential in dental research because it allows researchers to draw meaningful conclusions from sample data and apply them to larger populations and using tools such as hypothesis testing, confidence intervals, and regression analysis, inferential statistics helps determine whether observed differences or associations—such as the effectiveness of a new treatment or the relationship between risk factors and oral diseases—are statistically significant or due to chance. He emphasized that inferential statistics enables comparisons across groups, evaluation of trends, and prediction of outcomes, making it a cornerstone of high-quality dental research and advancing scientific knowledge in the field.

Dr Abhay Kolte (Dean and Chairman of BORS, RDDCRC, Nagpur) felicitated the speaker.

The programme was attended by faculty members and students, and it was well received by the audience.

Dr Abhay Kolte

Dean, Chairman BORS-RDDCRC, Nagpur





Board of Research Studies **Ranjeet Deshmukh Dental College and Research** **Centre, Nagpur**

Topic- Inferential statistics

Date- 7th April 2025

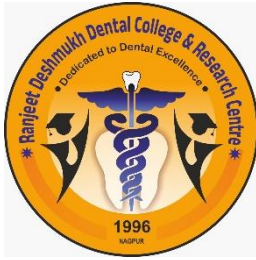
Speaker- Dr Sachin Khatri



Dr Abhay Kolte

Dean and Chairman BORS

RDDCRC, Nagpur



RANJEET DESHMUKH DENTAL COLLEGE AND RESEARCH
CENTRE, NAGPUR
Formerly known as VSPM's Dental College and Research centre, Nagpur

Board of Research Studies

Topic- Planning and executing descriptive studies

Date- 25th April 2025

Speaker- Dr Rajshri Kolte

Venue: PRIDE Hall, RDDCRC, Nagpur

Brief report:

To promote the culture of innovation in research and start-ups and the board of research studies (BORS) organized a CDE programme on this occasion.

The speaker was **Dr Rajshri Kolte** (Professor, Dept of Periodontics, RDDCRC, Nagpur).

Dr Saeed Deshpande (Member BORS, RDDCRC, Nagpur) welcomed and introduced the speaker to the audience.

Dr Kolte explained how planning and executing descriptive studies in dental research involves a systematic approach to accurately characterize the occurrence, distribution, and patterns of oral health conditions within a population beginning with clearly defining the research objectives and selecting an appropriate study population, ensuring that the sample is representative of the generalizability of findings. She emphasized that researchers must carefully design data collection tools, such as structured questionnaires, clinical examination forms, or diagnostic tests, to capture relevant demographic, behavioral, and clinical information. She stressed upon the fact that proper planning and meticulous execution not only strengthen the credibility of descriptive studies but also provide a solid foundation for generating hypotheses for future analytical research in dentistry.

Dr Abhay Kolte (Dean and Chairman of BORS, RDDCRC, Nagpur) felicitated the speaker.

The programme was attended by faculty members and students, and it was well received by the audience.

Dr Abhay Kolte

Dean, Chairman BORS-RDDCRC, Nagpur





Board of Research Studies **Ranjeet Deshmukh Dental College and Research** **Centre, Nagpur**

**Topic- Planning and executing
descriptive studies**

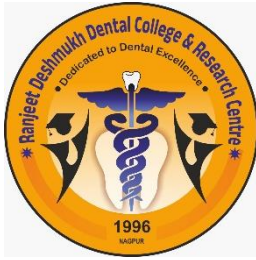
Date- 25th April 2025

Speaker- Dr Rajshri Kolte



Dr Abhay Kolte

Dean and Chairman BORS
RDDCRC, Nagpur



RANJEET DESHMUKH DENTAL COLLEGE AND RESEARCH
CENTRE, NAGPUR
Formerly known as VSPM's Dental College and Research centre, Nagpur

Board of Research Studies

Topic- Research in dentistry: A Beginner's Guide

Date- 19th May 2025

Speaker- Dr Pranjali Bawankar

Venue: PRIDE Hall, RDDCRC, Nagpur

Brief report:

To promote the culture of innovation in research in early career dental students the board of research studies (BORS) organized a CDE programme on this occasion.

The speaker was **Dr Pranjali Bawankar** (Assistant Professor, Dept of Periodontics, RDDCRC, Nagpur).

Dr Saeed Deshpande (Member BORS, RDDCRC, Nagpur) welcomed and introduced the speaker to the audience.

Dr Pranjali explained how research in dentistry involves understanding the fundamental principles of scientific inquiry applied to oral health beginning with identifying a clear research question or problem, often related to disease prevalence, treatment outcomes, or patient behaviors. She affirmed that beginners should learn to review existing literature to understand what is already known and to identify gaps in knowledge. She stated that basic research skills include designing simple studies, collecting and recording clinical or survey data accurately, and analysing this data using fundamental statistical methods. She explained that dental research helps beginners develop critical thinking, improve clinical decision-making, and contribute to evidence-based practice, laying the groundwork for more advanced studies in the future.

Dr Abhay Kolte (Dean and Chairman of BORS, RDDCRC, Nagpur) felicitated the speaker.

The programme was attended by under graduate students, and it was well received by the audience.

Dr Abhay Kolte

Dean, Chairman BORS-RDDCRC, Nagpur





Board of Research Studies **Ranjeet Deshmukh Dental College and Research** **Centre, Nagpur**

Topic- Research in dentistry: A
Beginner's Guide

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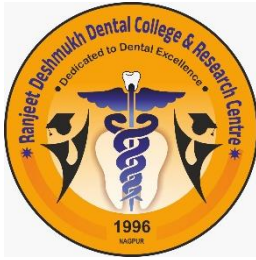
Speaker- Dr Pranjali Bawankar



Dr Abhay Kolte

Dean and Chairman BORS

RDDCRC, Nagpur



RANJEET DESHMUKH DENTAL COLLEGE AND RESEARCH
CENTRE, NAGPUR
Formerly known as VSPM's Dental College and Research centre, Nagpur

Board of Research Studies

Topic- Sustainability: Need for collaborative Efforts

Date- 3 June 2025

Speaker- Dr. Nitin K. Labhsetwar

Webinar via Google Meet Platform

Brief report:

To promote the culture of collaborative and sustainable research among dental professionals, the board of research studies (BORS) organized a CDE programme on this occasion.

The speaker was **Dr. Nitin K. Labhsetwar (Scientist NEERI, Nagpur)**

Dr Sae Deshpande (Member BORS, RDDCRC, Nagpur) welcomed and introduced the speaker to the audience.

Dr **Labhsetwar** explained how Sustainability is a global imperative that requires coordinated and collaborative efforts across multiple sectors, communities, and nations. He emphasized that collaborative efforts enable the pooling of resources, expertise, and technologies, fostering innovative solutions to complex problems such as climate change, resource depletion, and social inequality. He concluded by underscoring the need for collective action not only accelerates progress toward sustainability goals but also strengthens resilience and equity, ensuring that environmental stewardship benefits current and future generations alike.

Dr Abhay Kolte (Dean and Chairman of BORS, RDDCRC, Nagpur) felicitated the speaker virtually.

The programme was attended by staff, students, and it was well received by the audience.

Dr Abhay Kolte

Dean, Chairman BORS-RDDCRC, Nagpur





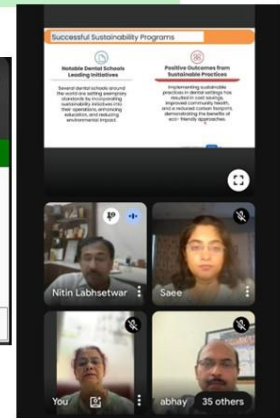
Board of Research Studies Ranjeet Deshmukh Dental College and Research Centre, Nagpur

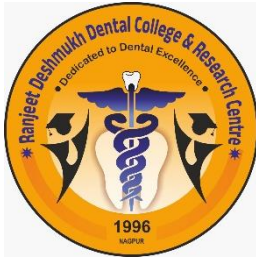
**Topic- Sustainability: Need for
collaborative Efforts**
Date- 3 June 2025
Speaker- Dr. Nitin K. Labhsetwar



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Dr Abhay Kolte
Dean and Chairman BORS
RDDCRC, Nagpur





RANJEET DESHMUKH DENTAL COLLEGE AND RESEARCH
CENTRE, NAGPUR
Formerly known as VSPM's Dental College and Research centre, Nagpur

Board of Research Studies

Topic- Leveraging AI tools to Enhance Academic Research- A Scientific Exploration

Date- 11 June 2025

Speaker- Dr Mahendra Patait

Webinar via Google Meet Platform

Brief report:

To keep the students and faculty abreast of latest technological developments and their implications in dental research, the board of research studies (BORS) organized a CDE programme on this occasion.

The speaker was Dr Mahendra Patait (HOD- University Research Department, Maharashtra University of health sciences, Nashik.)

Dr Saeed Deshpande (Member BORS, RDDCRC, Nagpur) welcomed and introduced the speaker to the audience.

Dr **Patait** explained how AI tools to enhance academic research have transformed the way scholars collect, analyze, and interpret information. He discussed various AI-powered platforms that can efficiently scan vast volumes of literature, identify relevant studies, and summarize key findings, saving researchers significant time and effort including advanced algorithms support data analysis by detecting patterns, generating predictions, and increasing the accuracy of statistical interpretations. Furthermore, he demonstrated use of AI-driven visualization tools enable clearer presentation of data, enhancing comprehension and communication of results. He concluded by underscoring the need to integrate AI responsibly and thoughtfully, researchers can elevate the efficiency, depth, and innovation of their academic work while maintaining scientific rigor.

Dr Abhay Kolte (Dean and Chairman of BORS, RDDCRC, Nagpur) felicitated the speaker virtually.

The programme was attended by staff, students, and it was well received by the audience.

Dr Abhay Kolte

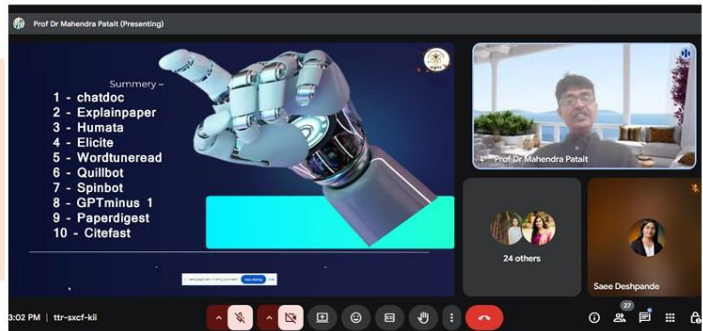
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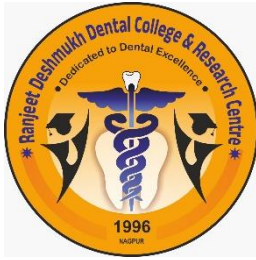


Board of Research Studies Ranjeet Deshmukh Dental College and Research Centre, Nagpur

**Topic- Leveraging AI tools to
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Dr Abhay Kolte
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RDDCRC, Nagpur



RANJEET DESHMUKH DENTAL COLLEGE AND RESEARCH
CENTRE, NAGPUR
Formerly known as VSPM's Dental College and Research centre, Nagpur

Board of Research Studies

Topic- The Curious Dentist: Turning Everyday Dentistry into Research

Date- 27 June 2025

Speaker- Prof. (Dr) Anurag Satpathy

Webinar via Google Meet Platform

Brief report:

To promote the culture of innovation in research in early career dental students the board of research studies (BORS) organized a CDE programme on this occasion.

The speaker was **Prof. (Dr) Anurag Satpathy (Professor in Periodontics & Oral Implantology, Siksha 'O' Anusandhan University, Odisha).**

Dr Saeed Deshpande (Member BORS, RDDCRC, Nagpur) welcomed and introduced the speaker to the audience.

Dr **Satpathy** explained how *The Curious Dentist* embodies the mindset of transforming routine clinical practice into meaningful research by observing everyday patterns, questioning clinical outcomes, and seeking evidence-based answers. He said that in daily dentistry, clinicians encounter diverse patient presentations, treatment responses, and emerging challenges that can spark valuable research questions and by systematically documenting these observations, reviewing existing literature, and applying simple research methodologies, dentists can turn common clinical experiences into opportunities for scientific inquiry. He emphasized that this approach not only enhances clinical decision-making but also contributes to the advancement of dental knowledge, ultimately improving patient care.

Dr Abhay Kolte (Dean and Chairman of BORS, RDDCRC, Nagpur) felicitated the speaker virtually.

The programme was attended by staff, students, and it was well received by the audience.

Dr Abhay Kolte

Dean, Chairman BORS-RDDCRC, Nagpur





Board of Research Studies Ranjeet Deshmukh Dental College and Research Centre, Nagpur

**Topic- The Curious Dentist: Turning
Everyday Dentistry into Research**
Date- 27 June 2025
Speaker- Prof.(Dr) Anurag Satpathy



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Dr Abhay Kolte
Dean and Chairman BORS
RDDCRC, Nagpur