



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

Topic- Inferential statistics

Speaker- Dr Sachin Khatri

Venue: PRIDE Hall, RDDCRC, Nagpur

Date- 7th April 2025

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

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