

2023 IADR/LAR General Session with WCPD

IADR Academy: Principles and Practices of Dental Clinical Research

June 20, 2023, 8:30 a.m.-12 p.m.

Organizer(s): Jaime E. Castellanos (Universidad Nacional de Colombia), Adolfo Contreras (Universidad del Valle, Cali, Colombia)

Ticketed Event, Capacity Limited

Clinical research is a key investigative method to test hypotheses that directly influence patients. The efficacy of interventions or diagnostic methods, the risk factors assessment, and outcomes evaluation are essential for improving healthcare activities. This Academy is aimed to offer those central principles to develop successful research in clinical dentistry. From formulating the research question, study population selection, and methods for blinding and randomization, to data analysis and report writing, practical elements like data collection tools, monitoring, and supervision will be part of the lectures. Speakers will share their experiences designing and conducting clinical research, selecting the optimal clinical trial design, and advice on ethical principles to follow, accurate result interpretation, appropriate data collection, and writing and publishing recommendations. Academy participants improve their skills in critically reading clinical research papers, understanding the primary sources of bias and confounding, and evaluating the clinical impact of different research findings.

Learning Objective 1: To bring to attendants the central principles to develop successful research in clinical dentistry.

Learning Objective 2: The participants will strengthen their skills for designing and conducting clinical research studies, hearing and discussing the experiences of those researchers who acted as investigators in clinical research.

Learning Objective 3: To interchange specific information with researchers about optimal clinical studies design, recruiting challenges, ethical principles, preferred statistical tools, data analysis and writing and reporting results.

Speakers:

8:30 a.m.-8:45 a.m.

Welcome and Introduction

Jaime E. Castellanos (Universidad Nacional de Colombia), Adolfo Contreras (Universidad del Valle, Cali, Colombia)

8:40 a.m.-9:10 a.m.

Embedding Ethics and Integrity Within Clinical Research: From Protocol Development to Publication

Jocelyne Feine (McGill University, Quebec, Canada)

9:10 a.m.-9:40 a.m.

Cross-sectional Studies in Children. The Study of Bruxism and Screen-time and Sugar Consumption Relationships

Claudia Restrepo (Universidad CES, Colombia)

9:40 a.m.-10:10 a.m.

Birth Cohort Studies: Design, Costs, and Challenges. The Case of Fluoride Research in Pregnant Women and Their Offspring

Angeles Martinez Mier (Indiana University School of Dentistry, Indianapolis, USA)

10.10 a.m.-10:30 a.m. Break

10:30 a.m.-11 a.m.

Randomized Clinical Trials, Design, and Study Conduction in Periodontics

Adolfo Contreras (Universidad del Valle, Cali, Colombia)

11 a.m.-11:30 a.m.

Gender Issues in Conducting Clinical Studies and During Patient Recruiting

Effie Ioannidou (University of Connecticut Health Center, Farmington, USA)

11:30 a.m.-12 p.m.

Closing Panel

Recommendations on funding and commercially sponsored research.