CDER CDE Series: 41
Division of Orthodontics and Dentofacial Deformities
Centre for Dental Education & Research
All India Institute of Medical Sciences, New Delhi
&
Indian Orthodontic Society

Basic Research Methodology Course in Orthodontics

April 7th & 8th, 2020
Organizing committee

**IOS coordinators:**

<table>
<thead>
<tr>
<th>Dr. Rajiv B.</th>
<th>Dr. Swati Verma</th>
<th>Dr. Sunil Kumari</th>
<th>Dr. Su keshana Srivastav</th>
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<tr>
<td>Dr. Karthik S.</td>
<td>Dr. Pinky Singh</td>
<td>Dr. Greeshma Gothankar</td>
<td>Dr. Pradeep D.A.</td>
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<td>Dr. Tabassum</td>
<td>Dr. Kanistika Jha</td>
<td>Dr. Kaleem Fatima</td>
<td>Dr. Priyanka Rawat</td>
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<tr>
<td>Dr. Jitender</td>
<td>Dr. Isha Duggal</td>
<td>Dr. Rijul Agarwal</td>
<td>Dr. Madhanraj S.</td>
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<tr>
<td>Dr. Hamza Siddiqui</td>
<td></td>
<td>Dr. Sarath Kumar V.</td>
<td>Dr. Naveen K.S.</td>
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<td></td>
<td>Dr. Hamza Siddiqui</td>
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<td>Dr. Marita Rawat</td>
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IOS office-bearers

<table>
<thead>
<tr>
<th>Dr. Surya Kanta Das</th>
<th>Vice President</th>
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<tr>
<td>Dr. Sri krishna Chalasani</td>
<td>President Elect</td>
</tr>
<tr>
<td>Dr. Pradeep Jain</td>
<td>Imm. Past President</td>
</tr>
<tr>
<td>Dr. K. Gnana Shanmugam</td>
<td>Hon. Jt. Secretary</td>
</tr>
<tr>
<td>Dr. Sanjay Labh</td>
<td>Hon. Treasurer</td>
</tr>
<tr>
<td>Dr. Puneet Batra</td>
<td>Editor, JIOS</td>
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<td>Dr. Pradeep Raghav</td>
<td>Editor, JCO-IOS</td>
</tr>
<tr>
<td>Dr. Kannan Sabapathy</td>
<td>Editor, IOS Times</td>
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<tr>
<td>Dr. Ketan Vakil</td>
<td>Chairman IBO</td>
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Dear colleagues and students
Warm greetings!
On behalf of Division of Orthodontics and Dentofacial Deformities, Centre for Dental Education and Research, All India Institute of Medical Sciences, New Delhi and Indian Orthodontic Society, I take immense pleasure in inviting you to the “Basic Research Methodology Course in Orthodontics” to be held on April 7th & 8th, 2020. This course intends to target the orthodontic postgraduates particularly who are naïve in research and scientific writing. This program will also help any clinician actively involved in orthodontic research to refresh their basic knowledge and guide/supervise the research more efficiently. The course aims to introduce the language of research, literature review, various elements in scientific writing, ethical principles and challenges involved in clinical research. The course will be conducted over a period of two days by our eminent course faculties. The contents of the course are organised in a manner that the participants acquire a basic knowledge and enable a progressive learning of higher concepts. I sincerely hope that you will enjoy the course and the knowledge you will gain is worth a lifetime.
Looking forward to welcoming you at AIIMS, New Delhi.

Best regards

Dr. Ritu Duggal
Organising Chairperson
Professor, Division of Orthodontics,
CDER, AIIMS, New Delhi.

Target Audience: Orthodontic Postgraduates and Faculty
Eligibility: IOS registered members only (Student/Life member)
Seat Availability: Limited attendance to 150 participants only (on first-come first-serve basis)

The participants will be entitled to register for the advanced course in research methodology that will be held this year in mid-September at AIIMS, New Delhi

Registration fees
Rs. 4000/- Till March 31, 2020
Rs. 4500/- From April 1, 2020 onwards
Registration closes on April 5, 2020 or if the seats are full whichever is earlier. Registration fee includes registration kit, breakfast, lunch and tea on both the days.

Link to online registration: https://forms.gle/26puLFueqSABEUP27

A/C Details for direct transfer:
Bank Name: State Bank of India, AIIMS Delhi
Account name: AIIMS BRMCO-2020
Account No.: 39169641172
IFS Code: SBIN0001536

Demand Draft/ Cheque:
To be drawn in favour of “AIIMS BRMCO-2020” payable at New Delhi
# Course schedule

**Day 1: (07/04/2020)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Facilitator</th>
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<tbody>
<tr>
<td>8.30 am onwards</td>
<td>Registration</td>
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<tr>
<td>09:00 am- 09:30 am</td>
<td>Introduction to the course</td>
<td>Dr. Ritu Duggal</td>
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<tr>
<td>09:30 am- 10:30 am</td>
<td>Inauguration followed by tea</td>
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<tr>
<td>10:30 am- 11:00 am</td>
<td>Study designs in clinical research</td>
<td>Dr. Krushna Bhatt</td>
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<tr>
<td>11:00 am- 11:30 am</td>
<td>Formulation of research question and hypothesis</td>
<td>Dr. Sumit Malhotra</td>
</tr>
<tr>
<td>11:30 am- 12:15 pm</td>
<td>Performing literature search and literature review</td>
<td>Dr. Ashok Jaryal</td>
</tr>
<tr>
<td>12:15 pm- 01:00 pm</td>
<td>Working with reference manager software and hands-on</td>
<td>Mr. Yogesh Kumar</td>
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<tr>
<td>01:00 pm- 02:00 pm</td>
<td>Lunch break</td>
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<tr>
<td>02:00 pm- 03:00 pm</td>
<td>Sampling method and sample size calculation</td>
<td>Dr. RM Pandey</td>
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<tr>
<td>03:00 pm- 04:00 pm</td>
<td>How to prepare datasheet for statistical analysis and interpretation of statistical result</td>
<td>Dr. V. Sreenivas</td>
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<tr>
<td>04:00 pm- 04:30 pm</td>
<td>Participants discussion</td>
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</table>

**Facilitators:**
- Dr. Ritu Duggal
  - Professor, Orthodontics CDER, AIIMS, New Delhi
- Dr. R.M. Pandey
  - Head of Department, Biostatistics AIIMS, New Delhi
- Dr. V. Sreenivas
  - Professor, Biostatistics AIIMS, New Delhi
- Dr. Nalin Mehta
  - Professor, Physiology AIIMS, New Delhi
- Dr. Ashok Jaryal
  - Professor, Physiology AIIMS, New Delhi
- Dr. Sumit Malhotra
  - Professor, Community Medicine, AIIMS, New Delhi
- Dr. Krushna Bhatt
  - Asst. Professor, Oral Surgery CDER, AIIMS, New Delhi
- Dr. Amit Kumar
  - Scientist D, Dept. of Neurology AIIMS, New Delhi
## Course schedule

**Day 2: (08/04/2020)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>09:00 am - 09:30 am</td>
<td>Risk of bias in research</td>
<td>Dr. Vijay Prakash Mathur</td>
</tr>
<tr>
<td>09:30 am - 10:00 am</td>
<td>Introduction to evidence-based orthodontics</td>
<td>Dr. S. Gowri Shankar</td>
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<tr>
<td>10:00 am - 10:30 am</td>
<td>Tea break</td>
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<tr>
<td>10:30 am - 11:00 am</td>
<td>Introduction to systematic review</td>
<td>Dr. Priyanka Kapoor</td>
</tr>
<tr>
<td>11:00 am - 11:30 am</td>
<td>RCT study design in orthodontics</td>
<td>Dr. Sreevatsan Raghavan</td>
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<tr>
<td>11:30 am - 12:00 pm</td>
<td>CTRI registration</td>
<td>Dr. Amit Kumar</td>
</tr>
<tr>
<td>12:00 pm - 12:45 pm</td>
<td>Ethics in orthodontic research</td>
<td>Dr. Nalin Mehta</td>
</tr>
<tr>
<td>12:45 pm - 01:00 pm</td>
<td>The ethical gap</td>
<td>Dr. Rajiv Ahluwalia</td>
</tr>
<tr>
<td>01:00 pm - 02:00 pm</td>
<td>Lunch break</td>
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<tr>
<td>02:00 pm - 04:00 pm</td>
<td>Panel discussion - Essentials of scientific writing</td>
<td>Dr. Vinod Krishnan, Dr. Puneet Batra, Dr. Sridevi Padmanabhan</td>
</tr>
<tr>
<td>04:00 pm - 04:30 pm</td>
<td>Participants discussion</td>
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<tr>
<td>04:30 pm - 05:00 pm</td>
<td>Valediction and distribution of certificates</td>
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### Participants

- **Dr. Vijay Prakash Mathur**
  Head, Division of Pedodontics
  CDER, AIIMS, New Delhi

- **Dr. Sridevi Padmanabhan**
  Hon. Secretary, IOS

- **Dr. Vinod Krishnan**
  Editor in chief, JWFO

- **Dr. S. Gowri Shankar**
  Head, Dept. of Orthodontics
  Narayana Dental College
  Nellore, AP

- **Dr. Priyanka Kapoor**
  Prof., Dept. of Orthodontics
  Jamia Millia Islamia
  New Delhi

- **Dr. Sreevatsan Raghavan**
  Senior Lecturer, Orthodontics
  IDST, Modinagar, UP

- **Dr. Rajiv Ahluwalia**
  Head, Dept. of Orthodontics
  Santhosh Dental College, Ghaziabad, UP

- **Dr. Puneet Batra**
  Editor, JIOS

- **Dr. Sridevi Padmanabhan**
  Hon. Secretary, IOS
**Proposed topics for advanced course** (Mid-September, AIIMS, New Delhi)

- Clinical application of evidence based orthodontics
- Design of randomized control trials and pitfalls
- An insight into Clinical trial registry-India
- Demonstration on performing a systematic review and meta-analysis
- Exploring the potential area of research in orthodontics
- Engaging in collaborative research and innovations
- Role of various research funding agencies

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**For more information kindly contact:**

Dr. Ritu Duggal – 7838390003

**For registration related queries:**

Dr. Vilas Samrit – 9899503560/ Dr. Jitender- 8587814193

**For scientific/hospitality related queries:**

Dr. Prabhat Chaudhari – 8375044325/ Dr. Swati- 8469646977

You can also mail us at: orthodontics.aiims@gmail.com

**Link to online registration:** [https://forms.gle/26puLFueqSABEUP27](https://forms.gle/26puLFueqSABEUP27)

**Send the Demand Draft/ Cheque to:**

Dr. Ritu Duggal

AIIMS BRMCO – 2020
Room No. 401, 4th floor
Department of Orthodontics
Centre for Dental Education and Research
All India Institute of Medical Sciences,
Ansari Nagar, New Delhi – 110029

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**Workshop venue**

Dr. Ramalingaswami Board Room
Near Director’s Office
All India Institute of Medical Sciences
Ansari Nagar, New Delhi- 110029
[https://goo.gl/maps/ERRkxNeemSFoiV86](https://goo.gl/maps/ERRkxNeemSFoiV86)