Dear Colleagues and friends

The workshop is specifically intended for Orthodontic professionals, researchers, academics, teachers and clinicians, willing to become actively involved in the clinical and basic sciences research. Despite the introduction of powerful research designs such as randomized clinical trials, these methods have not been widely adopted for Orthodontic clinical research. The case report (study containing fewer than 10 patients with no control nor comparison group) continues to be the most frequently published format. Clinicians should become aware of the inherent weakness in the research designs generally used and recognize the limited information that can be obtained from such methods.

Support for high quality research needs to be greatly expanded if the more powerful type of study required to provide valid and reliable clinical information is to be continued.

The workshop will be a mixture of presentations, interactions, and hands-on-sessions. **Looking forward to welcome you in person.**

**Dr. O.P. Kharbanda**
Chairman Organizing Committee
Chief, CDER, AIIMS, New Delhi, India

**Registration fees**
Rs. 4500/- Till 15th February 2018
Rs. 6500/- After 15th February 2018
Registration closes on 15th April 2018

**Limited attendance to 60 participants**

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Dr. Vilas Samrit 9899503560
Dr. Prabhat K. Chaudhari 8375044325

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Course Faculty

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Chief, Professor and Head,  
Orthodontics, Centre for Dental Education and Research,  
AIIMS, New Delhi,

Prof. R.M. Pandey  
Head of Department,  
Biostatistics, AIIMS  
New Delhi,

Prof. Padmanabhan  
Professor, Orthodontics, Division of  
Dentistry, Manchester University,  
U.K.

Prof. Kevin O’ Brien  
Professor, Orthodontics, AIIMS, New Delhi

Prof. Nalin Mehta  
Professor, Physiology  
AIIMS, New Delhi

Prof. V. Sreenivas  
Professor, Biostatistics  
AIIMS, New Delhi

Prof. Kameshwar Prasad  
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Prof. S.N. Dwivedi  
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Prof. Ashok Jaryal  
Professor, Physiology  
AIIMS, New Delhi

Prof. Shailesh Deshmukh  
President IOS

Prof. Sridevi Padmanabhan  
Editor JIOS

Department of Orthodontics and Dentofacial Deformities  
Centre for Dental Education & Research,  
All India Institute of Medical Sciences, New Delhi  
& Indian Orthodontic Society

‘Clinical and Biological Research in Orthodontics’  
April 21 to 23, 2018

21/04/2018 schedule  
Venue: Board Room, CDER, AIIMS

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:30 am onwards</td>
<td>Registration</td>
</tr>
<tr>
<td>9:00 am – 9:30 am</td>
<td>Introduction of speakers &amp; inaugural remarks</td>
</tr>
<tr>
<td>9:30 am – 10:00 am</td>
<td>TEA BREAK</td>
</tr>
<tr>
<td>10:00 am – 11:00 am</td>
<td>Formulating a research question and hypothesis (Dr. Sumit Malhotra &amp; team)</td>
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<tr>
<td>11:00 am – 12:30 pm</td>
<td>Study designs and literature search from database (Prof. Ashok Jaryal)</td>
</tr>
<tr>
<td>12:30 pm – 1:00 pm</td>
<td>Clinical perspectives in Orthodontic Research (Prof. O.P. Kharbanda)</td>
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<tr>
<td>1:00 pm – 2:00 pm</td>
<td>LUNCH</td>
</tr>
<tr>
<td>2:00 pm – 5:00 pm</td>
<td>Clinical Trials (Prof. Kameshwar Prasad &amp; Orthodontics Faculty)</td>
</tr>
<tr>
<td>5:00 pm – 5:30 pm</td>
<td>Participant Discussion</td>
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</tbody>
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22/04/2018 schedule  
Venue: Board Room, CDER, AIIMS

<table>
<thead>
<tr>
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<tr>
<td>8:30 am – 9:00 am</td>
<td>Participant Discussion</td>
</tr>
<tr>
<td>9:00 am –11:00 am</td>
<td>Sample size computation (Prof. R.M. Pandey)</td>
</tr>
<tr>
<td>11:00 am –1:00 pm</td>
<td>Methodology Section: selection of participants, bias and confounding, association and causation, measures of association (Prof. S.N. Dwivedi)</td>
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<tr>
<td>1:00 pm – 2:00 pm</td>
<td>LUNCH</td>
</tr>
<tr>
<td>2:00 pm – 3:00 pm</td>
<td>Development of study performa (CRF), data management and descriptive statistics (Prof. V. Sreenivas)</td>
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<tr>
<td>3:00 pm – 3:30 pm</td>
<td>TEA BREAK</td>
</tr>
<tr>
<td>3:30 pm – 4:30 pm</td>
<td>Ethics In Research (Prof.Nalin Mehta)</td>
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<tr>
<td>4:30 pm – 5:30 pm</td>
<td>Participant Discussion</td>
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</tbody>
</table>

23/04/2018 schedule  
Venue: Board Room, CDER, AIIMS

<table>
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<tr>
<td>8:30am – 9:00 am</td>
<td>Registration of clinical trial protocol on CTRI (Dr. Amit Kumar, Post-Doc, Neurology, AIIMS, New Delhi, India)</td>
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<tr>
<td>9:00 am – 11:00 am</td>
<td>Systematic review and meta-analysis (Prof. Kameshwar Prasad)</td>
</tr>
<tr>
<td>11:00 am – 1:00 pm</td>
<td>TEA BREAK</td>
</tr>
<tr>
<td>1:00 pm – 2:00 pm</td>
<td>LUNCH</td>
</tr>
<tr>
<td>2:00 pm – 4:00 pm</td>
<td>Orthodontics specific study design (Prof. Kevin O’Brien – via videoconferencing)</td>
</tr>
<tr>
<td>4:00 pm – 4:30 pm</td>
<td>Participant Discussion</td>
</tr>
<tr>
<td>4:30 pm – 5:00 pm</td>
<td>Valediction and Distribution of certificates</td>
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Registration form

Name ____________________________________________
Designation: Faculty / PG student (PG students should forward their registration through their respective HOD)
IOS membership No. ________________
Institution: ______________________________________________________
City: ____________________________
State: ____________________________ Pin ____________________________
Mobile ____________________________
Email ____________________________

Target audience: Postgraduate students, Faculty and Research Scholars in Orthodontics

Registration fees

Rs. 4500/- Till 15th February 2018
Rs. 6500/- After 15th February 2018
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Please send duly filled registration form along with DD/Cheque in favor of “CDERCDE19” to:
CDER CDE Series 19
Room No: 401, 4th Floor
Centre for Dental Education and Research
All India Institute of Medical Sciences,
Ansari Nagar, New Delhi, 110029, India

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