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## SATELLITE SYMPOSIUM

CED-IADR/NOF Oral Health Research congress in Vienna

Thursday September 21 2017, 10:30-12:30 hr

# LEADING TECHNOLOGIES FOR NATURAL RESTORATIONS, LUTINGS & ADHESIVES

<i>Time</i>	<i>Speaker</i>	<i>Title</i>
<b>10.30</b>	<b>Prof. F. Beuer</b>	<b>Modern Zirconias in Dental Treatments</b>
<b>11.05</b>	<b>Prof. M. Özcan</b>	<b>Luting of Resin Bonded Fixed Dental Prosthesis – state of the art</b>
<b>11.40</b>	<b>Prof. L. Breschi</b>	<b>Universal Adhesives – from Research to Clinics</b>
<b>12.15</b>		<b>Discussion</b>

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**CED-IADR/NOF**  
**Oral Health Research Congress**

**Vienna/Austria | September 21-23, 2017**

# Leading Technologies for natural Restorations, Lutings & Adhesives

The use of metal-free ceramic restorations mainly based on full-zirconia and lithium disilicate materials is continuously increasing due to improved functional and esthetic properties and more and more long-term clinical evidence. In the first part of the satellite symposium Professor Beuer (Charité University Berlin) will present the possibilities with an advanced monolithic zirconia material to illustrate the improvements in terms of translucency and opalescence indicating their use not only when high mechanical strengths for posterior applications are needed but also for applications in the esthetic zone. Further benefits for both the patient and the clinician are the highly efficient fabrication procedures and minimally invasive preparations.

Apart from the inherent details regarding the ceramic materials themselves and the corresponding clinical parameters another important topic are the adhesion protocols



KATANA™ Zirconia Multi Layered series



and the luting procedure of resin bonded fixed dental restorations. In the second part of the symposium Professor Özcan (University Zurich) will present the most relevant aspects regarding the adequate choice and application of resin cements and pretreatment options based on in-vitro and clinical evidence. A specific outlook of the special benefits when using 10-MDP based resin cements will be discussed since there is a common sense nowadays that phosphate monomers play an essential role for the adhesion both to indirect restorations and the tooth hard tissue.



This overview builds the bridge to the final lecture of Professor Breschi (University Bologna) where the role and possibilities of modern universal bonding agents will be presented. What does it really mean regarding the clinical application when any pretreatment of dentin and enamel is suggested whether it is either a self-etch, etch&rinse or selective enamel etch approach? Detailed insights into the pros and cons of each bonding strategy, the role of acidic monomers and the most relevant research results will be given to summarize the state-of-the art knowledge around the adhesive interface zone.