

# Symposium

## “Cementing versus bonding indirect restorations”



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### **Conventional and adhesive luting protocols for indirect restorations**

Although direct restorations cover widespread indications, indirect cast and ceramic restorations are still the treatment of choice for larger and deeper cavities. Apart from a proper indication, the right cementation procedure is crucial for the long-term stability of the restoration, especially during adhesive luting. The lecture addresses non-adhesive and adhesive luting procedures for cast and ceramic restorations as well as “new” techniques such as the proximal box elevation and focusses on the pre-treatment of the cavity surfaces as well as on the pre-treatment of the restoration surfaces.

### **Adhesive cementation of zirconia restorations**

The clinical procedures for cementation of zirconia restorations are still controversially discussed. Various protocols regarding the effect of surface treatments of zirconia (including sandblasting, internal coating with a glaze layer, application of various zirconia primers) on its bond strength to resin cements are investigated.

### **Direct restorations as alternatives to indirect procedures**

Beside assumed better physical properties of indirect restorative materials (especially of ceramics), indirect instead of direct restorations are also chosen in case of demanding clinical situations. These might be situations coming up with a high amount of lost dental hard tissue or subgingival location of the cavity margins. These conditions might impair proper reconstruction of tooth morphology or sufficient handling of adhesive systems important for long-term success of direct composite restorations. Physical properties of indirect composite restorations are comparable at least to those restorations fabricated with indirectly used composite materials, so-called “high-performance composites” processed with CAD/CAM-procedures.

Thus, in some clinical situations the use of direct composite restorations only seems to be limited due to the complexity and problems with regard to their adequate placement.

The lecture will provide aspects and techniques, how to overcome those limits of direct restorations by applying step-by-step techniques adopted to the respective clinical situation.

**Date:** Thursday, September 21, 2017  
**Time:** 13:30 – 15:30 hrs  
**Location:** Messe Wien  
Congress Center  
Room “Lehar 1”



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