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Degradation of dental resin composites during intra-oral wear

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Statements

1. The surface composition of resin composites is the determinant factor for early intra-oral degradation. (this thesis)
2. Oral hygiene is important in delaying the degradation of composite restorations. (this thesis)
3. Surface-exposure of filler particles reflects early intra-oral degradation of composites. (this thesis)
4. *S. mutans* is a prominent member of the composite-degradative oral microbiome. (this thesis)
5. Hardness is not a suitable parameter to reflect early surface-degradation of dental composites. (this thesis)
6. Degradation of resin composite is not only material dependent. (this thesis)
7. Discoloration of resin composites depends on the percentage filler particles of the composite. (this thesis)
8. Intra-oral degradation of resin composites must be studied *ex vivo* instead of *in vitro*. (this thesis)
9. Measurement of advancing, receding and equilibrium water contact angles is the best way to evaluate early surface-degradation of resin composites after intra-oral wear. (this thesis)
10. Aesthetic and biocompatible biomaterials are highly necessary in dentistry today.
11. Dentists should be aware of the dynamics of dental material changes in the oral cavity.
12. Gaining knowledge is an unending adventure at the edge of uncertainty. (Jacob Bronowski)