

Unfilled PEEK used as framework material for twelve-unit bridges

Metal-free implant-supported restorations in the edentulous jaw

Dr Bernd Siewert

Literature

1. Bäumler D, Zuer O, Hürzeler MB: Verschraubte Implantatrestauration als prothetisches Konzept. *Implantologie* 2015;23:141-148
2. Papaspyridakos P, Chen CJ, Chuang K et al: A systematic review of biologic and technical complications with fixed implant rehabilitations for edentulous patients. *Int J Oral Maxillofac Implants* 2012;27:102-110
3. Pemberton MA, Lohmann BS: Risk Assessment of residual monomer migrating from acrylic polymers and causing Allergic Contact Dermatitis during normal handling and use. *Regul Toxicol Pharmacol*, 2014; 69: 467-475.
4. Siewert B, Rieger H: PEEK – Ein „neues“ Gerüstmaterial für die metallfreie prothetische Therapie. *Quintessenz Zahntech*, 2013: 1384-1394.
5. Siewert B, Parra M: Eine neue Werkstoffklasse in der Zahnmedizin PEEK als Gerüstmaterial bei 12-gliedrigen implantatgetragenen Brücken. *Z Zahnärztl Implantol* 2013;29:148–159
6. Stawarczyk B, Beuer F, Wimmer T, Jahn D, Sener B, Roos M, Schmidlin PR: Polyetheretherketone-a suitable material for fixed dental prostheses? *J Biomed Mater Res B Appl Biomater*, 2013; 101: 1209-1216
7. Stawarczyk B, Eichberger M, Uhrenbacher J, Wimmer T, Edelhoff D, Schmidlin PR: Three-unit reinforced polyetheretherketone composite FDPs: influence of fabrication method on load-bearing capacity and failure types. *Dent Mater*, 2015; 34: 7-12
8. Summer B, Fink U, Zeller R, Rueff F, Maier S, Roider G, Thomas P: Patch test reactivity to a cobalt-chromium-molybdenum alloy and stainless steel in metal-allergic patients in correlation to the metal ion release. *Contact Dermatitis*, 2007; 57: 35-39
9. Wagner C, Stock V, Merk S, Schmidlin PR, Roos M, Eichberger M, Stawarczyk B: Retention Load of Telescopic Crowns with Different Taper Angles between Cobalt-Chromium and Polyetheretherketone Made with Three Different Manufacturing Processes Examined by Pull-Off Test. *J Prosthodont* 2018 Feb., 27(2):162-168
10. Wittneben JG, Millen C, Brägger U: Clinical Performance of Screw-Versus Cement-Retained Fixed Implant-Supported Reconstructions- A Systematic Review. *Int J Oral Maxillofac Implants* 2014; 29:84-98
11. Wimmer T, Erdelt KJ, Eichberger M, Roos M, Edelhoff D, Stawarczyk B.: Influence of abutment model materials on the fracture loads of three-unit fixed dental prostheses. *Dent Mater*, 2014; 33: 717-724
12. Zeynep ÖK: Monolithic zirconia: A review of the Literature. *Biomedical Research* 2016; 27:1427-1436
13. Zoidis P, Papathanasiou I, Polyzois G. The Use of a Modified Poly-Ether-Ether-Ketone (PEEK) as an Alternative Framework Material for Removable Dental Prostheses. A Clinical Report. *J Prosthodont*, 2016; 25: 580-584