



Der volldigitale Chairside-Workflow in der Implantologie

Digital ist effizient

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Literaturangabe

- (1) Abrahamsson I, Berglundh T, Lindhe J.: The mucosal barrier following abutment dis/reconnection. An experimental study in dogs. *J Clin Periodontol.* 1997 Aug;24(8):568-72.
- (2) Degidi M et al.: One abutment at one time: non-removal of an immediate abutment and its effect on bone healing around subcrestal tapered implant. *Clin Oral Impl Res* 2011;22:1303-1307
- (3) Becker K et al.: Impact of abutment material and dis-/reconnection on soft and hard tissue changes at implants with platform-switching. *J Clin Periodon l* 2012; 39 (6): 774-780
- (4) Beuer F, Schweiger J, Hey J, Güth JF, Edelhoff D, Stimmelmayer M: Das Münchener Implantatkonzept (MIC): Eine praxisreife Kombination von Intraoralscanner und digitaler Fertigung. *Z Zahnärztl Implantol* 2015;31:206-215
- (5) Welander M et al.: The mucosal barrier at implant abutments of different materials. *Clin Oral Implants Res Periodontol* 2008; 19 (7): 635-641.
- (6) Stimmelmayer M, Edelhoff D, Güth JF, Erdelt K, Happe A, Beuer F: Wear at the titanium- titanium and the titanium- zirconia implant-abutment interface: A comparative in vitro study. *Dent Mater.* 2012 Dec;28(12):1215-20. doi: 10.1016/j.dental.2012.08.008. Epub 2012 Sep 27.
- (7) Stimmelmayer M, Sagerer S, Erdelt KJ, Beuer F: In-vitro fatigue and fracture strength of one-piece zirconia implant abutments and zirconia abutments connected to titanium cores. *Int J Oral Maxillofac Implants.* 2013 Mar-Apr;28(2):488-493
- (8) Sailer I, Fehmer V, Ioannidis A, Hämmerle CHF, Thoma DS: Threshold value for the visibility of colour changes of human gingiva: a standardized in-vitro study. *IJPRD* 2014.
- (9) Brunot-Gohin, C. et al.: Soft tissue adhesion of polished versus glazed lithium disilicate ceramic for dental applications. *Dent Mater.* 2013 Sep;29(9):205-12.
- (10) Gueth JF, Keul C, Stimmelmayer M, Beuer F, Edelhoff D: Accuracy of digital models obtained by direct and indirect data capturing. *Clin Oral Investig* 2013;17:1201-1208
- (11) Keul C, Stawarczyk B, Erdelt KJ, Beuer F, Edelhoff D, Gueth JF: Fit of 4-unit FDPs made of zirconia and CoCr-alloy after chairside and labside digitalization – A laboratory study. *Dent Mater* 2014;30:400-407
- (12) Syrek A, Reich G, Ranftl D, Klein C, Cerny B, Brodesser J: Clinical evaluation of all-ceramic crowns fabricated from intraoral digital impressions based on the principle of active wavefront sampling. *J Dent* 2010;38:553-559
- (13) Wilson T : The positive relationship between excess cement and peri-implant disease: a prospective clinical endoscopic study. *J Periodontol.* 2009 Sep;80(9):1388-92.
- (14) Canullo L, et al. Microscopical & microbiologic characterization of customized titanium abutments after different cleaning procedures. *Clin. Oral Impl. Res.* 2012 Dec 5
- (15) Gehrke P, Fischer C. Oberflächenstruktur und Homogenität von Abutments im Mukosabereich. Eine konfokal-mikroskopische Analyse präfabrizierter und CAD/CAM-gefertigter Aufbauten. *Identity, Dentsply Friadent* 2012,1:22-28
- (16) Joda T, Brägger U. Time-efficiency analysis of the treatment with monolithic implant crowns in a digital workflow: a randomized controlled trial. *Clin. Oral Impl. Res.* 00, 2016, 1-7 doi: 10.1111/clr.12753

