ZMK (29)3 2013, S. 132–136

Dr. Frank Emde

Kariesdiagnostik mit der DIAGNOcam: Historie; Entwicklung, Praxis

[1] Peers A, Hill FJ, Mitropoulos CM, Holloway PJ: Validity and reproducibility of clinical examination, fibre-optic transillumination, and bite-wing radiology for the diagnosis of small approximal carious lesions: an in vitro study. Caries Res 27, 307–311 (1993).
[2] Pieper K, Schurade B: Die Untersuchung mit der Kaltlicht-Diagnoseson- de. Eine Alternative zur Bissflügelaufnahme? Dtsch Zahnärztl Z 42, 900–903 (1987).
[3] Schneiderman A, Elbaum M, Shultz T, Keem S, Greenebaum M, Driller J. Assessment of dental caries with Digital Imaging Fiber-Optic TransIllumination (DIFOTI): in vitro study. Caries Res 31 (2), 103–10 (1997).
[4] Young DA, Featherstone JD: Digital imaging fiber-optic trans-illumination, F-speed radiographic film and depth of approximal lesions. J Am Dent Assoc 136 (12), 1682–7 (2005).
[5] Astvaldsdóttir A, Ahlund K, Holbrook WP, de Verdier B, Tranæus S: Approximal Caries Detection by DIFOTI: In Vitro Comparison of Diagnostic Accuracy/Efficacy with Film and Digital Radiography. Int J Dent, 326–401 (2012). doi: 0.1155/2012/326401. Epub 2012 Nov 4.
[6] Bin-Shuwaish M, Yaman P, Dennison J, Neiva G: The correlation of DIFOTI to clinical and radiographic images in Class II carious lesions. J Am Dent Assoc 139 (10), 1374–81 (2008).
[7] Fried D, Staninec M, Darling CL: Near-Infrared Imaging of Dental Decay at 1310 nm. J Laser Dent 18 (1), 8–16 (2010).
[8] Kühnisch J: Studienprojekt „Nutzen des DIAGNOcam-Verfahrens zur Kariesdetektion und -diagnostik“. Zwischenbericht Okt. 2012
[9] Holl S: Qualitätssteigerung in Sachen Kariesdiagnostik, DZW 42 (12/13), 2012.
[10] Kleinert T, Höhe K: Kariesdiagnostik ohne ionisierende Röntgenstrahlung. ZWP 11, (2012).
[11] Achilleos EE, Rahiotis C, Kakaboura A, Vougiouklakis G: Evaluation of a new fluorescence-based device in the detection of incipient occlusal caries lesions. Lasers Med Sci 28 (1), 193-201 (2013). doi: 10.1007/s10103-012-1111-6. Epub 2012 May 11.

[12] Jablonski-Momeni A, Schipper HM, Rosen SM, Heinzel-Gutenbrunner M, Roggendor MJ, Stoll R, Stachniss V, Pieper K: Performance of a fluorescence camera for detection of occlusal caries in vitro. Odontology 99 (1), 55-61 (2011). doi: 10.1007/s10266–010–0139–y. Epub 2011 Jan 27.

[13] Rechmann P, Charland D, Rechmann BM, Featherstone JD: Performance of laser fluorescence devices and visual examination for the detection of occlusal caries in permanent molars. J Biomed Opt 17 (3), (2012). 036006. doi: 10.1117/1.JBO.17.3.036006.