

Fortbildung: Toxikologie und Allergologie
„Zahnkunststoff-Materialien“

Franz-Xaver Reichl

- Aalto-Korte K, Alanko K, Kuuliala O, Jolanki R. Methacrylate and acrylate allergy in dental personnel. *Contact Dermatitis* 2007;57:324-30.
- Andreasson H, Boman A, Johnsson S, Karlsson S, Barregard L. On permeability of methyl methacrylate, 2-hydroxyethyl methacrylate and triethyleneglycol dimethacrylate through protective gloves in dentistry. *Eur J Oral Sci* 2003;111:529-35.
- Andrews LS, Clary JJ. Review of the toxicity of multifunctional acrylates. *J Toxicol Environ Health* 1986;19:149-64.
- Durner J, Walther UI, Zaspel J, Hickel R, Reichl FX. Metabolism of TEGDMA and HEMA in human cells. *Biomaterials* 2010;31:818-23.
- Feldman D, Krishnan A. Estrogens in unexpected places: possible implications for researchers and consumers. *Environ Health Perspect* 1995;103 Suppl 7:129-33.
- Gerzina TM, Wing G. Comparison of amalgam behaviour under static and cyclic sub-modulus of rupture loading. *J Oral Rehabil* 1991;18:337-41.
- Gerzina TM, Hume WR. Effect of dentine on release of TEGDMA from resin composite in vitro. *J Oral Rehabil* 1994;21:463-8.
- Hamann CP, Rodgers PA, Sullivan KM. Occupational allergens in dentistry. *Curr Opin Allergy Clin Immunol* 2004;4:403-9.
- Marquardt W, Seiss M, Hickel R, Reichl FX. Volatile methacrylates in dental practices. *J Adhes Dent* 2009;11:101-7.
- Neiss J. Gesundheitsrisiken durch Komposite. *Dental Tribune*, 9/10 vom 05. Sept. 2012 und 10/10 vom 02. Okt. 2012
- Heil J, Reifferscheid G, Waldmann P, Leyhausen G, Geurtsen W. Genotoxicity of dental materials. *Mutat Res* 1996;368:181-94.
- Hume WR, Gerzina TM. Bioavailability of components of resin-based materials which are applied to teeth. *Crit Rev Oral Biol Med* 1996;7:172-9.

- Kanerva L. Cross-reactions of multifunctional methacrylates and acrylates. *Acta Odontol Scand* 2001;59:320-9.
- Lindstrom M, Alanko K, Keskinen H, Kanerva L. Dentist's occupational asthma, rhinoconjunctivitis, and allergic contact dermatitis from methacrylates. *Allergy* 2002;57:543-5.
- Piirila P, Hodgson U, Estlander T, Keskinen H, Saalo A, Voutilainen R, et al. Occupational respiratory hypersensitivity in dental personnel. *Int Arch Occup Environ Health* 2002;75:209-16.
- Reinhardt KJ. Unconverted double bonds and interface phenomena in composite materials. *Dtsch Zahnarztl Z* 1991;46:204-8.
- Reichl FX, Löhle J, Seiss M, Furche S, Shehata MM, Hickel R, Müller M, Dränert M, Durner. Elution of TEGDMA and HEMA from polymerized resin-based bonding systems. *J Dental Materials* 2012;28(11): 1120-5.
- Reichl FX, Durner J, Manhart J, Spahl W, Gempel K, Kehe K, et al. Biological clearance of HEMA in guinea pigs. *Biomaterials* 2002;23:2135-41.
- Reichl FX, Durner J, Hickel R, Spahl W, Kehe K, Walther U, et al. Uptake, clearance and metabolism of TEGDMA in guinea pigs. *Dent Mater* 2002;18:581-9.
- Reichl FX, Seiss M, Kleinsasser N, Kehe K, Kunzelmann KH, Thomas P, et al. Distribution and excretion of BisGMA in guinea pigs. *J Dent Res* 2008;87:378-80.
- Reichl FX, Durner J, Hickel R, Kunzelmann KH, Jewett A, Wang MY, et al. Distribution and excretion of TEGDMA in guinea pigs and mice. *J Dent Res* 2001;80:1412-5.
- Reichl FX, Durner J, Hickel R, Spahl W, Kehe K, Walther U, et al. Uptake, clearance and metabolism of TEGDMA in guinea pigs. *Dent Mater* 2002;18:581-9.
- Ruyter IE. Unpolymerized surface layers on sealants. *Acta Odontol Scand* 1981;39:27-32.
- Schweikl H, Schmalz G. Triethylene glycol dimethacrylate induces large deletions in the hprt gene of V79 cells. *Mutat Res* 1999;438:71-8.
- Schwengberg S, Bohlen H, Kleinsasser N, Kehe K, Seiss M, Walther UI, et al. In vitro embryotoxicity assessment with dental restorative materials. *J Dent* 2005;33:49-55.
- Seiss M, Nitz S, Kleinsasser N, Buters JT, Behrendt H, Hickel R, et al. Identification of 2,3-epoxymethacrylic acid as an intermediate in the metabolism of dental materials in human liver microsomes. *Dent Mater* 2007;23:9-
- Spahl W, Budzikiewicz H, Geurtsen W. Determination of leachable components from four commercial dental composites by gas and liquid chromatography/mass spectrometry. *J Dent* 1998;26:137-45.