

## **ZMK 35(1-2) 2019, S. 14-20**

**Prof. Dr. C.-P. Ernst**

### **Augen auf beim Lampenkauf**

- [1] Bouillaguet S, Caillot G, Forchelet J, Cattani-Lorente M, Wataha JC, Krejci I: Thermal risks from LED- and high-intensity QTH-curing units during polymerization of dental resins. *J Biomed Mater Res B Appl Biomater* 15, 260-267 (2005).
- [2] Busemann I, Schattenberg A, Willershausen B, Ernst CP: Genauigkeit von Hand-Radiometer-Messungen bei der Bestimmung der Emissionsleistung von Lichtpolymerisations-Geräten. *ZWR* 10, 476-482 (2008).
- [3] Busemann I, Lipke C, Schattenberg A, Willershausen B, Ernst CP: Shortest exposure time possible with LED curing lights. *Am J Dent* 24, 37-44 (2011).
- [4] Durner J, Obermaier J, Draener M, Ilie N: Correlation of the degree of conversion with the amount of elutable substances in nano-hybrid dental composites. *Dent Mater* 28, 1146-1153 (2012).
- [5] Ernst CP, Price, RB, Callaway A, Masek A, Schwarm H, Rullmann I, Willershausen B, Ehlers V: Visible Light Curing Devices - Irradiance and Use in 302 German Dental Offices. *J Adhes Dent* 20, 41-55 (2018).
- [6] Ernst CP: Lichtpolymerisation. In: Frankenberger, R.: *Adhäsive Zahnheilkunde*, Deutscher Zahnärzte-Verlag, Köln 2013, S. 35-80.
- [7] Ernst CP, Busemann I, Kern T, Willershausen B: Feldtest zur Lichtemissionsleistung von Polymerisationsgeräten in zahnärztlichen Praxen. *Dtsch Zahnärztl Z* 61, 466-471 (2006).
- [8] Ernst CP: Aktuelle klinische Aspekte der Lichtpolymerisation. *ZWR* 114, 443-452 (2005).
- [9] Ernst CP, Schattenberg A, Stender E, Meyer G, Willershausen B: Relative Oberflächenhärte verschiedener Komposite nach LED-Polymerisation aus 7 mm Abstand. *Dtsch Zahnärztl Z* 60, 154-160 (2005).
- [10] Ernst CP: Blue LED-Curing. *Asian J Aesthet Dent* 12, 21-27 (2004).
- [11] Ernst CP, Meyer G, Müller J, Stender E, Ahlers O, Willershausen B: Depth of cure of LED versus QTH light curing devices at a distance of 7 mm. *J Adh Dent* 6, 141-150 (2004).
- [12] Ernst CP: Wo stehen blaue LED-Polymerisationsgeräte heute? *Ästhetische Zahnmedizin* 6, 4-14 (2003).
- [13] Ernst CP: Blue light... a better cure? *Dental Products Report Europe* 23, 14-17 (2002).
- [14] Ernst CP: Licht ins Dunkel der Lichtpolymerisation, Teil 2. *ZWR* 111, 309-318 (2002).
- [15] Ernst CP: Licht ins Dunkel der Lichtpolymerisation, Teil 1. *ZWR* 111, 239-248 (2002).
- [16] Ernst CP, Briseño, B, Rauscher M, Willershausen B: Spannungsabhängigkeit batteriebetriebener Lichtmessgeräte. *Schweiz Monatsschr Zahnmed* 105, 1317-1319 (1995).
- [17] Ferracane F, Watts DC, Barghi N, Ernst CP, Rueggeberg FA, Shortall A, Price R: Der effiziente Einsatz von Lichtpolymerisationsgeräten – ein Leitfaden für Zahnärzte. *ZMK* 30, 166-180 (2014).
- [18] Hickel R, Pfefferkorn F: Lichthärtung – Ein Leitfaden für Praktiker. *zm* 105 (5), 454-455 (2015).
- [19] Jandt KD, Mills RW: A brief history of LED photopolymerization. *Dent Mater* 29, 605-617 (2013).
- [20] Lima RBW, Moreno MBP, Murillo-Gómez F, De Goes MF: Depth of cure of bulk fill resin composites: A systematic review. *J Esthet Restor Dent* 30, (2018), 492-501.
- [21] Meyer GR, Ernst CP, Willershausen B: Decrease in Power Output of New Light-Emitting Diode (LED) Curing Devices with Increasing Distance to Filling Surface. *J Adh Dent* 4, 197-204 (2002).

- [22] Price RBT: Light Curing in Dentistry. *Dent Clin North Am* 61, 751-778 (2017).
- [23] Price RB, Labrie D, Bruzell EM, Sliney DH, Strassler HE: The dental curing light: A potential health risk. *J Occup Environ Hyg* 13, 639-646 (2016).
- [24] Price RB, Ferracane JL, Shortall AC: Light-Curing Units: A Review of What We Need to Know. *J Dent Res* 94, 1179-1186 (2015).
- [25] Price RB, Dickie D, Strassler HE: Guidelines for successful light-curing. *Inside Dental Assisting* 11, 30-38 (2014).
- [26] Price RB, Labrie D, Rueggeberg FA, Sullivan B, Kostylev I, Fahey J: Correlation between the beam profile from a curing light and the microhardness of four resins. *Dent Mater* 30, 1345-57 (2014).
- [27] Price RB, Rueggeberg FA, Labrie D, Felix CM: Irradiance uniformity and distribution from dental light curing units. *J Esthet Restor Dent* 22, 86-101 (2010).
- [28] Roulet JF, Price R: Light curing - guidelines for practitioners - consensus statement from the 2014 symposium on light curing in dentistry held at Dalhousie University, Halifax, Canada. *J Adhes Dent* 16, 303-304 (2014).
- [29] Rueggeberg FA, Giannini M, Arrais CAG, Price RBT: Light curing in dentistry and clinical implications: a literature review. *Braz Oral Res* 31 (suppl.)e61, 64-91 (2017).
- [30] Schattenberg A, Lichtenberg D, Stender E, Willershausen B, Ernst CP: Minimal exposure time of different LED curing devices. *Dent Mater* 24, 1043-1049 (2008).
- [31] Shortall AC, Price RB, MacKenzie L, Burke FJ: Guidelines for the selection, use, and maintenance of LED light-curing units - Part II. *Br Dent J* 4, 221: 551-554 (2016).
- [32] Spranley TJ, Winkler M, Dagate J, Oncale D, Strother E: Curing light burns. *Gen Dent* 60, e210-214 (2012).
- [33] Steinhoff-Schattenberg A, Rullmann I, Khalilullah M, Azrak B, Willershausen B, Ernst CP: Relevanz von Hand-Radiometermessungen. *Deutsche Zahnärztl Z* 67, 307-316 (2012).
- [34] Strassler HE: Successful Light Curing — Not As Easy As It Looks. *Oral health*, 26-34 (2014).
- [35] Strassler HE, Price RB: Understanding light curing, Part I. Delivering predictable and successful restorations. *Dent Today* 33, 114-118 (2014).