

Prof Frédéric Bukiet
Full Professor, DDS, MS, PhD, HDR

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Bio

Prof. Dr. Bukiet was born in Hyères les Palmiers (France). He graduated from Aix-Marseille University in 1998. After serving as a resident at the University of Paris V for three years (1998-2001), he returned to Marseille as a University Hospital Assistant Professor in Endodontics. Meanwhile, he obtained his Master's degree (2002-2003) and started a private practice limited to Endodontics in Marseille. Frédéric Bukiet was appointed senior lecturer - hospital practitioner (Part time) in 2004 while maintaining his daily endodontic practice in his private office. Since 2010, he is full time teacher-researcher-Hospital clinician at Aix-Marseille University (senior lecturer, full time). His research activity allowed him to earn his PhD in 2014 at the University of Montpellier (about the impact of surfactant addition to sodium hypochlorite on the wetting properties and viscosity) then his accreditation to supervise research (HDR) in 2016 at Aix Marseille University. Frédéric Bukiet has been appointed Full Professor in 2017 (activities: research, teaching and endodontist clinician) and is currently the head of department of Endodontics at Aix-Marseille University. He is also director of the Postgraduate Endodontic Program with Dr Ludovic Pommel and the director of the continuing education division. Pr Bukiet has published numerous papers in several national and international journals such as the Journal of Endodontics, International Endodontic Journal, Dental Materials, Australian Dental Journal... He's used to lecturing on several endodontic topics. He was board member of the French Endodontic society (2006-2012). He is currently a certified member of the European Society of Endodontology (ESE) and the secretary of the French College of Teachers in Conservative Dentistry and Endodontics (CNEOC). He is moderator of the online endodontic educational forum Endolit and member of the clinical advisory board. He serves as a peer reviewer for different journals (Clinical Oral Investigations, European Endodontic Journal, European Journal of Dental Education, Scanning) and is also Associate Editor of the European Endodontic Journal.

Education and Training

1998	Aix-Marseille University (France), DDS
1998-2001	University of Paris V (France), Residency
2002-2003	Aix-Marseille University (France), MS
2011-2014	University of Montpellier (France), PhD
2014-Present	Aix-Marseille University (France), Researcher (Giboc, ISM, UMR CNRS 7287)
2016	Aix-Marseille University (France), HDR Habilitation to supervise Research

Employment

2002-2004	University Hospital Assistant in Endodontics, Aix-Marseille University
2001-Present	Private practice limited to Endodontics in Marseille
2004-2010	Senior lecturer - hospital practitioner (Part-time), Aix-Marseille University
2010-2017	Senior lecturer - hospital practitioner (Full-time), Aix-Marseille University
2017-Present	Full Professor - hospital practitioner, Aix-Marseille University
2017-Present	Head of department of Endodontics, Aix-Marseille University
2017-Present	Director of the Postgraduate Endodontic Program, Aix-Marseille University
2020	Director of the continuing education division, Aix-Marseille University

Professional Memberships...

- Certified member and board member of the French Endodontic society (2006-2012)
- Certified member of the European Society of Endodontology (ESE)
- Secretary of the French College of Teachers in Conservative Dentistry and Endodontics (CNEOC)
- Member of the clinical advisory board and moderator of Endolit

- European Endodontic Journal Associate Editor
- Reviewer: Clinical Oral Investigations, European Endodontic Journal, European Journal of Dental Education, Scanning, Réalités Cliniques, Information Dentaire...

International publications

- 1) **Bukiet F**, Gonthier S, Tirlet G. Die geklebte partielle restauration, eine alternative methode zur rekonstruktion devitaler zähne. Die Quintessenz. 2002;5:473-480.
- 2) Camps J, Pommel L, **Bukiet F**, About I. Influence of the powder/liquid ratio on the properties of zinc oxide-eugenol-based root canal sealers. Dent Mater. 2004;20:915-23.
- 3) Camps J, Pommel L, **Bukiet F**. Evaluation of periapical lesion healing by correction of gray values. J Endod. 2004;30:762-6.
- 4) **Bukiet F**, Tirlet G. Contemporary aesthetic care for nonvital teeth: conservative treatment options. Pract Proced Aesthet Dent. 2005;17:467-72; quiz 474.
- 5) Koubi S, Raskin A, **Bukiet F**, Pignoly C, Toca E, Tassery H. One-year clinical evaluation of two resin composites, two polymerization methods, and a resin-modified glass ionomer in non-carious cervical lesions. J Contemp Dent Pract. 2006;1;7:42-53.
- 6) **Bukiet F**, Couderc G, Camps J, Tassery H, Cuisinier F, About I, Charrier A, Candoni N. Wetting properties and critical micellar concentration of benzalkonium chloride mixed in sodium hypochlorite. J Endod. 2012;38:1525-9.
- 7) **Bukiet F**, Soler T, Guivarc'h M, Camps J, Tassery H, Cuisinier F, Candoni N. Factors affecting the viscosity of the root canal irrigant sodium hypochlorite and their effect on irrigant flow. Int Endod J 2013;46:954-61.
- 8) HM. Ahmed, S. Cohen, G. Levy, L. Steier, **F. Bukiet**. Rubber dam application in endodontic practice: An update on critical educational and ethical dilemmas. Aust Dent J. 2014. 59:457-63.
- 9) Guivarc'h M, Ordioni U, Catherine JH, Campana F, Camps J, **Bukiet F**. Implications of endodontic-related sinus aspergillosis in a patient treated by infliximab: a case report. J Endod. 2015;41:125-9.
- 10) Nouioua, A. Slimani, B. Levallois, J. Camps, H. Tassery, F. Cuisinier, **F. Bukiet**. A preliminary study of a new endodontic irrigation system: Clean Jet Endo®. Tropical dental journal. 2015; 38:13-22.
- 11) J. Hurstel, M. Guivarc'h, L. Pommel, J. Camps, H. Tassery, S. Cohen, **F. Bukiet**. Do Cell Phones Affect Establishing Electronic Working Length? J Endod. 2015;41:943-6.
- 12) NM. Grande, HM. Ahmed, S. Cohen, **F. Bukiet**, G. Plotino. Current assessment of reciprocation in endodontic preparation: A comprehensive review – Part I: Historical perspectives and current applications. J Endod. 2015;41:1778-83.
- 13) G. Plotino, HM. Ahmed, NM. Grande, S. Cohen, **F. Bukiet**. Current assessment of reciprocation in endodontic preparation: A comprehensive review – Part II: Properties and effectiveness. J Endod. 2015;41:1939-50.
- 14) NM. Grande, G. Plotino, HM. Ahmed, S. Cohen, **F. Bukiet**. The reciprocating movement in endodontics. Endodontic Practice (US). February 2016;28-33.
- 15) M. Guivarc'h, U. Ordioni, HM. Ahmed, S. Cohen, JH. Catherine, **F. Bukiet**. Sodium Hypochlorite Accident: A systematic review. J Endod. 2017;43:16-24.

- 16) Guivarc'h Maud, Saliba-Serre Bérengère, Jacquot Bruno, Le Coz Pierre, **Bukiet Frédéric**. Dental students' attitudes toward management of pain and anxiety in dental emergency: educational issues? *Int Dent J.* 2017;67:384-390.
- 17) Guivarc'h, M., Maille, G., **Bukiet, F.**, Le Coz, P. Emergency and after-hours care in Dentistry: A need for an ethical consideration. *Ethics, Medicine and Public Health.* 2017;3:460-464.
- 18) Palazzi F, Del Fabbro M, Taschieri S, Mohammadi Z, Asgary S, **Bukiet F.** Comparison of Antimicrobial Substantivity of Six Root Canal Irrigants against *Enterococcus Faecalis*. *Iran Endod J.* 2018;13: 446-452.
- 19) Guivarc'h Maud, Saliba-Serre Bérengère, Le Coz Pierre, **Bukiet Frédéric**. A cross-sectional analysis of patients care pathway and profile in a dental emergency department. *Int Dent J.* 2020; 70: 21-28.
- 20) Guivarc'h M, Jeanneau C, Giraud T, Pommel L, About I, Azim AA, **Bukiet F.** An international survey on the use of calcium silicate-based sealers in non-surgical endodontic treatment. *Clin Oral Investig.* 24 (1), 417-424, 2020.
- 21) Hage W, Zogheib C, **Bukiet F**, Sfeir G, Khalil I, Gergi R, Naaman A: Canal transportation and centering ability of Reciproc and Reciproc Blue with or without use of pathfinding instruments. *European Endodontic Journal.* *Accepted*
- 22) G. Plotino, V. Nagendrababu, **F. Bukiet**, N.M. Grande, S. K. Veettil, G. De-Deus, H. M. A. Ahmed* Influence of negotiation, glide path and pre-flaring procedures on root canal shaping – Terminology, basic concepts and a systematic review. *Journal of Endodontics.* 2020 Apr 22. pii: S0099-2399(20)30076-5.

International book chapters

- 1) Lasfargues JJ, **Bukiet F**, Tirllet G, Decup F. Bonded partial restorations for endodontically treated teeth. in Roulet J.F, Wilson Nairn H.F, Fuzzi M. "Advances in operative dentistry, contemporary clinical practice", Quintessence. Publishing, 1(14):191-209, 2001. Chapter 14.
- 2) Rolland, C., Trotebas, O., **Bukiet, F.**, Pignoly, C. Whitening of depulped teeth and external cervical resorption: Better understanding for a better prevention. *EMC Odont.* 23-150-A-10.
- 3)

French publications:

- 1) Tassery H, Bukiet F, Koubi S, Nicolas M, Baccouche Z, Brouillet JL. Le traitement chirurgical des lésions carieuses. *Réal. Clin.* 11 (1):85-102, 2000.
- 2) Bukiet F, Tirllet G, Lasfargues JJ. Les restaurations partielles collées sur dents dépulpées : intérêts et indications. *Inf. Dent,* (36): 2831-2841, 2000.
- 3) Bukiet F, Tirllet G, Gonthier S. Une alternative pour reconstituer les dents dépulpées : les restaurations partielles collées. *Alternatives,* 9:3-10, 2001.
- 4) Basset F, Bukiet F, Attal J.P. Restaurations adhésives directes des pertes de substance occlusales postérieures. *Clinic,* 22 (7): 453- 464, 2001.
- 5) Bukiet F, Tirllet G., Attal JP. Méthode permettant le choix raisonné d'un type de restauration dans le secteur postérieur. *Clinic,* 22 (10): 681-692, 2001.
- 6) Tassery H, Bukiet F, Koubi S, Aboudharam G, Tocca E. Traitements restaurateurs des lésions cervicales d'usure (LCU). *Réal.Clin.* 12 (4):427-439, 2001.

- 7) Bukiet F, Tirlet G. Les restaurations partielles collées sur dents dépulées : de la prise de décision thérapeutique à la mise en œuvre clinique. Les Cahiers De Prothèse, 116:73-81, 2001.
- 8) Bukiet F, Tirlet G, Fleiter B. Gestion des difficultés cliniques liées à la réalisation de facettes céramiques collées. Clinica, 23 (3) :147-155, 2002.
- 9) Bukiet F, Camps J, Pommel L. Anatomie pulpo-radulaire des dents mandibulaires : conséquences cliniques sur la préparation canalaire. Info. Dent,27 :1891-1897, 2003.
- 10) Bukiet F, Camps J, Pommel L. Endodontie préprothétique : critères influençant la sélection des piliers. Les Cahiers De Prothèse,124 :7-17, 2003.
- 11) Bukiet F, Gardon N, Camps J, Pommel L. Endodontie : la rotation continue. Cahiers de Formation Médico-dentaire Continue de l'Information Dentaire, 43 :3399-3407, 2003.
- 12) Bukiet F, Lehmann N, Tirlet G. Restauration partielle adhésive de la dent dépulée. Préserver pour différer l'échéance prothétique. Réalités Cliniques, 15(1) :67-78, 2004.
- 13) Bukiet F, Rolland C, Koubi S. Le second canal mésio-vestibulaire des molaires maxillaires : localisation et précautions lors de la mise en forme. Info. Dent. 16 :931- 939, 2005.
- 14) Tirlet G, Bukiet F. Technique moderne de restauration partielle des dents dépulées. J. Parodontol. Implantol. Orale HORS-SÉRIE. L'esthétique : du rêve à la réalité. 9 -16, 2005.
- 15) Bukiet F, Mallet JP, Dartigues J, Farhang S, Lasfargues JJ. Optimiser ses traitements endodontiques en 2005. » Chir. Dent. Fr. 1229 :59-63, 2005.
- 16) Bukiet F. Assurer l'étanchéité coronaire le jour du traitement endodontique. Info. Dent. 37 : 2255-2258, 2005.
- 17) Bukiet F, Rolland C, Gardon N, Pommel L. Optimiser l'antisepsie canalaire par une irrigation efficace. Réal. Clin.17 (4) : 371-383, 2006.
- 18) Decup F, Bukiet F, Cazier S, Lasfargues JJ. Traitement endodontique et reconstitution coronoradiculaire : deux séquences indissociables. CDF, 1321 : 45-51, 2007.
- 19) Deveaux E, Bukiet F, Diemer F, Le Goff A, Linez M, Louis Olewski D, Medioni E, Pons M, Ricci E. L'apex dans tous ses états. CDF, 1365 : 57-62, 2008.
- 20) Pommel L, Bukiet F, Couderc G. Retraitement orthograde : une première solution souvent satisfaisante. Info. Dent. 22 :99-106, 2010.
- 21) G. Tirlet, F. Bukiet, JP Attal. Traitement de la dent dépulée antérieure : une approche graduée. Réalités Cliniques. 22 (1) :33-41, 2011.
- 22) F. Bukiet, B. Khayat, D. Louis-Olszewski. Retraitement endodontique et endodontie chirurgicale, deux thérapeutiques complémentaires. Info. Dent. 32 :16- 19, 2011.
- 23) M. Guivarc'h, T. Soler, F. Pérez, F. Bukiet. Mise en forme canalaire et irrigation. Réalités Cliniques. 25 (1) :49-60, 2014.
- 24) M. Guivarc'h, F. Bukiet. Place des agents chélateurs dans l'irrigation en endodontie. Alpha Omega News. 2015; 172: 11-3.
- 25) M. Guivarc'h, T. Soler, F. Pérez, F. Bukiet. Mise en forme canalaire et irrigation. Info Dent. 32 :48-60, 2015.

- 26) M. Glikpo, F. Bukiet. Eliminer les matériels et matériaux, renégocier. Réalités Cliniques. 27(4) : 255-262, 2016.
- 27) M. Guivarc'h, T. Giraud, F. Bukiet, E. Terrer. Sources de litige en endodontie : Cas des fractures instrumentales et des dépassements de matériaux d'obturation. Info Dent. 38 :74-82, 2016.
- 28) Cédric Buoro, Hélène Chevalier, Memphis Chopngui, Nuria Cunat Rodriguez, Abir Eddhaoui, Pascale Fronton, Michaël Guigon, Nathalie Estran, Loïc Mourlan, José Maria Roca Barcelo, Thomas Rojat, Frédéric Bukiet, Ludovic Pommel. Traitement conservateur des grandes lésions d'origine endodontique. Info Dent. 40-41(98):20-29, 2016.

French book chapters

- 1) Cheylan JM., Bukiet F, Degrange M. Onlays à tenon radulaire : faut-il sceller ou coller ? Entretien de Bichat. Odonto-Sto. Expansion scientifique, édit 2001.
- 2) Tassery H, Bukiet F, Koubi S, Nicolas M, Baccouche Z, Brouillet JL. Le traitement chirurgical des lésions carieuses. Concepts cliniques en odontologie Conservatrice, ED. SNMPMD, Paris, 55-71, 2001.
- 3) Bukiet F, Lehmann N, Tirlet G. Restauration partielle adhésive de la dent dépulpée. Préserver pour différer l'échéance prothétique. Concepts cliniques en Endodontie Ed. SNPMD, Paris, 11:141-151, 2005.
- 4) Koubi S, Tassery H, Bukiet F. Lésions cervicales : des problématiques cliniques au traitement. EMC Odont. 23-140-A-10.
- 5) Rolland C, Trotebas O, Bukiet F., Pignoly C. Éclaircissement des dents dépulpées et résorption cervicale externe : comprendre pour mieux prévenir. EMC Odont. 23-150-A-10.
- 6) Bukiet F. Endodontie Clinique 1. Editorial. Réal. Clin. 17(3), 2006.
- 7) Bukiet F. Endodontie Clinique 2. Editorial. Réal. Clin. 17(4), 2006.
- 8) Giraud T, Bukiet F. Utilisation des ciments à base de silicates de calcium pour l'obturation canalaire. Endodontie. Simon S, Machtou P, Pertot W. 2nd édition. Collection JPIO. Édition CDP. In press.