



FLÁVIO ALVES

PhD in Biological Sciences (Microbiology) by Federal University of Rio de Janeiro (2008), Master in Dentistry (Endodontics) by Estácio de Sá University (2004), Specialist in Endodontics by Estácio de Sá University (2001), graduated in Dentistry by Estácio de Sá University (1999). Researcher of the Young Scientist Program of Our State by Carlos Chagas Filho Foundation for Research Support of the State of Rio de Janeiro (2012-current). Coordinator and Professor of the Post-Graduate Program in Dentistry at Grande Rio University (Master and PhD courses). Full Professor at the Iguazu University. Member of the International Preferred Reporting Items for Laboratory studies in Endodontology (PRILE), PRIDE (Great Britain). He was Adjunct Coordinator of the Post-Graduate Program in Dentistry at Estácio de Sá University (Master and PhD courses in Endodontics) and responsible for the Microbiology laboratory of the same Program, for 10 years. He coordinated 12 specialization classes in Endodontics at Estácio de Sá University, 4 classes at the Brazilian Dental Association - Niterói and is the current Coordinator of the Specialization Course in Endodontics at Orthodontic Internacional. Associate editor of international journals: European Endodontic Journal and Journal of Clinical and Experimental Dentistry. Ad hoc reviewer of numerous national and international journals. He has more than 90 articles published in national and international journals, including PLoS One, Journal of Endodontics and International Endodontic Journal. H-index = 18 (ISI) and 23 (SCOPUS).

Curriculum Vitae



Formal Education

2005 – 2008 Doctorate in Microbiology.

Federal University of Rio de Janeiro, UFRJ, Rio De Janeiro, Brazil

Title: Profile of the bacterial community of endodontic infections from different geographical regions and in the different thirds of the root canal system.

Year of degree: 2008

Supervisor: José Freitas Siqueira Júnior & Alexandre Soares Rosado

2002 – 2004 Master's in Endodontics.

Estácio de Sá University, UNESA, Rio De Janeiro, Brazil

Title: The apical third of the root: morphology, microbiota and prevalence of eleven putative oral pathogens.

Year of degree: 2005

Supervisor: José Freitas Siqueira Júnior

2000 – 2001 Specialization in Especialização Em Endodontia.

Estácio de Sá University, UNESA, Rio De Janeiro, Brazil

Title: Evaluation of marginal apical infiltration in curved canals after chemical-mechanical preparation with different NiTi files sizes

Supervisor: Antônio José Ribeiro de Castro

1995 – 1999 Graduation in Dentistry.

Estácio de Sá University, UNESA, Rio de Janeiro, Brazil

1992 – 1994 High Education.

Colégio de Aplicação da Universidade Católica de Petrópolis, CAUCP, Brazil

1982 – 1991 Primary and Secondary Education.

Colégio de Aplicação da Universidade Católica de Petrópolis, CAUCP, Brazil



Complementary Education

1. 2016 - 2016 Short Term Course in combate a incêndio. (Duration: 2h). Estácio de Sá University, UNESA, Rio De Janeiro, Brazil
2. 2016 - 2016 Short Term Course in Introdução à segurança do trabalho. (Duration: 2h). Estácio de Sá University, UNESA, Rio De Janeiro, Brazil
3. 2016 - 2016 Short Term Course in Primeiros socorros. (Duration: 2h). Estácio de Sá University, UNESA, Rio De Janeiro, Brazil
4. 2008 - 2008 Short Term Course in Laserterapia e PDT para todas as especialidades. (Duration: 8h). Universidade Gama Filho, UGF, Rio De Janeiro, Brazil
5. 2005 - 2005 Continuing Education in A Moderna Microbiologia Ambiental. (Duration: 16h). Universidade Federal do Rio de Janeiro, UFRJ, Rio De Janeiro, Brazil
6. 2004 - 2004 Short Term Course in A Revolução Niti Precisava de Uma Evolução. (Duration: 4h). Associação Brasileira de Endodontia, ABE, Brazil
7. 2004 - 2004 Short Term Course in Recentes Avanços Biológicos e Tecnológicos Em Endo. (Duration: 4h). Associação Brasileira de Endodontia, ABE, Brazil
8. 2003 - 2003 Short Term Course in Avanços Recentes no Tratamento de Trauma Dental. (Duration: 8h). Faculdade de Odontologia de Ribeirão Preto, FORP-USP, Brazil
9. 2003 - 2003 Short Term Course in Acesso às Fontes de Informação em Saúde. (Duration: 4h). Biblioteca Virtual Em Saúde, BVS, Brazil
10. 2002 - 2002 Short Term Course in 1º Ciclo de Atualização Em Endodontia da ABE. (Duration: 8h). Associação Brasileira de Endodontia, ABE, Brazil



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11. 2002 - 2002 Short Term Course in 1º Curso Multidisciplinar de Traumatologia Dentária. (Duration: 8h). Associação Brasileira de Odontologia, ABO, Brazil
12. 2000 - 2000 Short Term Course in Sulfato de Cálcio Em Odontologia. (Duration: 4h). Associação Brasileira de Odontologia, ABO, Brazil
13. 1998 - 1998 Short Term Course in Curso Internacional de Endodontia. (Duration: 8h). Estácio de Sá University, UNESA, Rio De Janeiro, Brazil
14. 1996 - 1996 Short Term Course in Formação de Agente Comunitário de Saúde Oral. (Duration: 8h). Associação Brasileira de Odontologia, ABO, Brazil
15. 1992 - 1992 Short Term Course in Conhecimentos Práticos de Inglês. (Duration: 60h). Serviço Nacional de Aprendizagem Comercial, SENAC, Brazil

Professional Experience

1. Estácio de Sá University - UNESA

Contract institutional

2005 - 2019 Contract: Celetista formal , Position: Adjunto VI , Working hours (weekly): 40, Schemes of job: Full-time

Other information:

Professor of Graduation in Dentistry - subjects: Endodontics and Microbiology.
 Professor of the Update Course in Endodontics (beginning: August 2003).
 Professor of the Master's Degree in Dentistry (beginning: January 2009).
 Coordinator of the Specialization Course in Endodontics - Campus Recreio (beginning: April 2007). Deputy Coordinator of the Graduate Program in Dentistry (Master and Doctorate), concept 4, area of concentration in Endodontics. 2001 - 2003 Contract: Colaborator, Position: Colaborador voluntary, Working hours (weekly): 4, Schemes of job: Part-time
 Other information: Professor of Graduation in Dentistry: Endodontics.

2. Veiga de Almeida University - UVA/RJ

Contract institutional



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2004 - 2006 Position: Professor. Working hours (weekly): 4, Schemes of job: Part-time

Activities

08/2004 - Professor of Graduation in Dentistry - subject: Microbiology
07/2006 and Immunology and Oral Microbiology.

3. São Leopoldo Mandic University – SLM/RJ

Contract institutional

2003 - 2008 Professor Position: Professor, Working hours (weekly): 4, Schemes of job: Part-time

Other information: Professor of the Specialization Course in Endodontics at Laranjeiras campus, Rio de Janeiro

4. Municipal Health Secretary of Rio de Janeiro

Contract institutional

1999 - 1999 Contract: trainee, Working hours (weekly): 12, Schemes of job: Part-time

5. Brazilian Dentistry Association - Niterói subsection

Contract institutional

2014 - 2018 Contract: Professor, Position: Specialization Coordinator in Endodontics, Schemes of job: Part-time

6. Orthodontic Internacional

Contract institutional

2018 - Current Contract: Professor, Position: Specialization Coordinator in Endodontics, Schemes of job: Part-time

7. Universidade Iguazu - UNIG

Contract institutional

2019 - Current Contract: Position: Full Professor, Working hours (weekly): 40, Schemes of job: Full-time

8. Grande Rio University – UNIGRANRIO

Contract institutional

2020 - Current Position: Adjunct Professor Doctor I, Working hours (weekly): 40, Schemes of job: Full-time



Other information: Coordinator of the Post-Graduate Program in Dentistry (Master and Doctorate) - concept 4 at CAPES

Scientific Journal Referee

1. Case Reports in Dentistry
2. Endo - Endodontic Practice Today
3. Rede De Cuidados em Saúde
4. Journal of Applied Oral Science
5. Journal of Biomedical Materials Research Part B: Applied Biomaterials
6. Brazilian Dental Journal
7. Trends in Tropical Medicine
8. Australian Endodontic Journal
9. Journal of Endodontics
10. European Journal of Dentistry
11. Journal of Dentistry
12. Acta Odontologica Scandinavica (Trykt Utg.)
13. Brazilian Journal of Medical And Biological Research (Impresso)
14. Iranian Endodontic Journal
15. BMC Oral Health (Online)
16. Clinical Oral Investigations (Internet)

17. International Endodontic Journal Online
18. Odontology
19. International Journal of Oral Science



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20. European Journal of Oral Sciences
21. Revista de Odontologia da Unesp (Impresso)
22. Revista do Instituto de Medicina Tropical de São Paulo (Impresso)

Member of Editorial Board

1. Frontiers in Dentistry
2. European Endodontic Journal
3. IX Seminário de Pesquisa da Estácio e V Jornada de Iniciação Científica
4. Journal of Clinical and Experimental Dentistry
5. VII Seminário de Pesquisa da Estácio e IV Jornada de Iniciação Científica
6. VII Seminário de Pesquisa da Estácio e III Jornada de Iniciação Científica

Areas of Expertise

1. Endodontics
2. Microbiology

Languages

1. Portuguese
2. English
3. Spanish

Awards

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| 2020 | Top downloaded paper 2018-2019 - Australian Endodontic Journal - "Quantitative analysis of apically extruded bacteria following preparation of curved canals with three systems", Australian Society of Endodontology |
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Flávio Rodrigues Ferreira Alves

- 2019 Member of Internacional Committee of Preferred Reporting Items for Laboratory studies in Endodontology (PRILE), PRIDE (Grã-Bretanha),
- 2017 Panels Competition of the XXXII Academic Day of the Faculty of Dentistry of UERJ, UERJ
- 2017 Journal of Endodontics Award, American Association of Endodontics. Best article in Basic Research - Technology
- 2013 VI National Competition for Scientific Production and Extension Project, Estácio de Sá University
- 2011 IV National Internal Competition for Scientific Production, Estácio de Sá University
- 2010 III National Internal Competition for Scientific Production, Estácio de Sá University
- 2009 3rd place - Public competition for the career of higher education - Dentistry sector, Federal University of Rio de Janeiro
- 1998 2nd place - presentation of clinical table, Estácio de Sá University

Bibliographic Production

Articles Published in Scientific Journals

1. PÉREZ, ALEJANDRO R.; RICUCCI, DOMENICO; VIEIRA, GAYA C.S.; PROVENZANO, JOSÉ C.; ALVES, **FLÁVIO R.F.**; MARCELIANO-ALVES, MARÍLIA F.; RÔÇAS, ISABELA N.; SIQUEIRA, JOSÉ F. Cleaning, Shaping, and Disinfecting Abilities of 2 Instrument Systems as Evaluated by a Correlative Micro-computed Tomographic and Histobacteriologic Approach. JOURNAL OF ENDODONTICS. v.46, p.846 - 857, 2020.
2. VIEIRA, GAYA C.S.; PÉREZ, ALEJANDRO R.; ALVES, **FLÁVIO R. F.**; PROVENZANO, JOSÉ C.; MDALA, IBRAHIMU; SIQUEIRA, JOSÉ F.; RÔÇAS, ISABELA N. Impact of Contracted Endodontic Cavities on Root Canal Disinfection and Shaping. JOURNAL OF ENDODONTICS , v.46, p.655 - 661, 2020.
3. COSTA, F F N P; PACHECO-YANES, J A; SIQUEIRA, J F; OLIVEIRA, A C S; GAZZANEO-RAUSEO, I D; AMORIM, C A; SANTOS, P H B; **ALVES, F R F.** Association between missed canals and apical periodontitis. INTERNATIONAL ENDODONTIC JOURNAL. v.52, p.400 - 406, 2019.
4. VAZ DE AZEVEDO, KATIA R.; LOPES, CRISTIANE B.; ANDRADE, ROSANA H. T. L. R.; PACHECO DA COSTA, FERNANDA F. N.; GONÇALVES, LÚCIO S.; MEDEIROS DOS SANTOS, RACHEL; ALVES, **FLÁVIO R. F.**



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- C-shaped canals in first and second mandibular molars from Brazilian individuals: A prevalence study using cone-beam computed tomography. PLoS One. v.14, p.e0211948 -, 2019.
5. CAMPELLO, ANDREA F.; MARCELIANO-ALVES, MARÍLIA F.; SIQUEIRA, JOSÉ F.; MARQUES, FÁBIO V.; GUEDES, FÁBIO R.; LOPES, RICARDO T.; ALVARENGA, FABRÍCIA O.; ALVES, **FLÁVIO R.F.** Determination of the Initial Apical Canal Diameter by the First File to Bind or Cone-beam Computed Tomographic Measurements Using Micro-computed Tomography as the Gold Standard: An Ex Vivo Study in Human Cadavers. JOURNAL OF ENDODONTICS. v.45, p.619 - 622, 2019.
 6. OLIVEIRA, ANA C.S.; CANDEIRO, GEORGE T.M.; PACHECO DA COSTA, FERNANDA F.N.; GAZZANEO, ISBELIA D.; ALVES, **FLÁVIO R.F.**; MARQUES, FÁBIO V. Distance and Bone Density between the Root Apex and the Mandibular Canal: A Cone-beam Study of 9202 Roots from a Brazilian Population. JOURNAL OF ENDODONTICS. v.45, p.538 - 542, 2019.
 7. CAMPELLO, A. F.; ALMEIDA, B. M.; FRANZONI, M. A.; **ALVES, F. R. F.**; MARCELIANO'ALVES, M. F.; RÔÇAS, I. N.; SIQUEIRA JR, J. F.; PROVENZANO, J. C. Influence of solvent and a supplementary step with a finishing instrument on filling material removal from canals connected by an isthmus. INTERNATIONAL ENDODONTIC JOURNAL. v.52, p.716 - 724, 2019.
 8. ALMEIDA, E. A.; GOMES, I. L. L.; LESSA, S. V.; **ALVES, F. R. F.** Otimização da desinfecção pós preparo químico-mecânico. REDE DE CUIDADOS EM SAÚDE. v.13, p.32 - 43, 2019.
 9. ALVES, **FLÁVIO R.F.**; DIAS, MAYRA C.C.; MANSA, MARINA GABRIELA C.B.; MACHADO, MARIVALDO D. Permanent Labiomandibular Paresthesia after Bioceramic Sealer Extrusion: A Case Report. JOURNAL OF ENDODONTICS. v.46, p.301 - 306, 2019.
 10. CABREIRA, LAURA J.; GOMINHO, LUCIANA F.; RÔÇAS, ISABELA N.; DESSAUNE-NETO, NILTON; SIQUEIRA, JOSÉ F.; **ALVES, FLÁVIO R.** Quantitative analysis of apically extruded bacteria following preparation of curved canals with three systems. Australian Endodontic Journal. v.45, p.79 - 85, 2019.
 11. GAZZANEO, ISBELIA; VIEIRA, GAYA C.S.; PÉREZ, ALEJANDRO R.; ALVES, **FLÁVIO R.F.**; GONÇALVES, LUCIO S.; MDALA, IBRAHIMU; SIQUEIRA, JOSÉ F.; RÔÇAS, ISABELA N. Root Canal Disinfection by Single- and Multiple-instrument Systems: Effects of



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- Sodium Hypochlorite Volume, Concentration, and Retention Time. JOURNAL OF ENDODONTICS. v.45, p.736 - 741, 2019.
12. MARCELIANO-ALVES, M. F. V.; ANDRADE-JUNIOR, CARLOS V.; VERMA, S.; PÉREZ, ALEJANDRO R.; **ALVES, F. R. F.** Apical surgery as cystic lesion treatment for barodontalgia prevention: a case report. REVISTA DE LA FACULTAD DE ODONTOLOGIA UNIVERSIDAD DE ANTIOQUIA. v.29, p.1 - 9, 2018.
 13. TAKAHAMA, A.; RÔÇAS, I. N.; FAUSTINO, I. S. P.; **ALVES, F. R. F.**; AZEVEDO, R. S.; GOMES, C. C.; ARAÚJO-FILHO, W. R.; SIQUEIRA, J. F. Association between bacteria occurring in the apical canal system and expression of bone-resorbing mediators and matrix metalloproteinases in apical periodontitis. INTERNATIONAL ENDODONTIC JOURNAL. v.51, p.738 - 746, 2018.
 14. ALVES, **FLÁVIO R.F.**; PAIVA, PÂMELLA L.; MARCELIANO-ALVES, MARÍLIA F.; CABREIRA, LAURA J.; LIMA, KENIO C.; SIQUEIRA, JOSÉ F.; RÔÇAS, ISABELA N.; PROVENZANO, JOSÉ C. Bacteria and Hard Tissue Debris Extrusion and Intracanal Bacterial Reduction Promoted by XP-endo Shaper and Reciproc Instruments. JOURNAL OF ENDODONTICS. v.44, p.1173 - 1178, 2018.
 15. DA SILVA, THAÍS M; ALVES, **FLÁVIO R. F.**; LUTTERBACH, MÁRCIA TS; PAIVA, MAURÍCIO M; FERREIRA, DENNIS DE CARVALHO. Comparison of antibacterial activity of alexidine alone or as a final irrigant with sodium hypochlorite and chlorhexidine. BDJ Open. v.4, p.18003 - , 2018.
 16. PÉREZ, A. R.; **ALVES, F. R. F.**; MARCELIANO-ALVES, M. F.; PROVENZANO, J. C.; GONÇALVES, L. S.; NEVES, A. A.; SIQUEIRA, J. F. Effects of increased apical enlargement on the amount of unprepared areas and coronal dentine removal: a micro-computed tomography study. INTERNATIONAL ENDODONTIC JOURNAL. v.51, p.684 - 690, 2018.
 17. VIEIRA, G. C. S.; RON, A. E. P.; VIEIRA, A. R.; CARVALHO, A. C. B.; **FLÁVIO RF ALVES**. Endodontia Minimamente Invasiva: mito ou realidade. Revista da APCD. v.72, p.613 - 618, 2018.
 18. MACHADO, L. V.; PACHECO, J. A.; DIAS, L. A.; LOPES, H. P.; **ALVES, FRF**; PROVENZANO, J. C. Influence of instrument operation mode on root canal transportation. ENDO (NEW MALDEN. ONLINE). v.12, p.175 - 179, 2018.
 19. MARCELIANO-ALVES, MARILIA FAGURY VIDEIRA; LIMA, JULIANA TEIXEIRA; ALVES, **FLÁVIO RODRIGUES FERREIRA**. Protocolos de irrigação final em Endodontia: revisão sistemática. Dental Press Endodontics. v.8, p.24 - 33, 2018.



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20. SILVEIRA, STEPHANIE B.; ALVES, **FLÁVIO R.F.**; MARCELIANO-ALVES, MARÍLIA F.; SOUSA, JÚLIO CÉZAR N.; VIEIRA, VICTOR T.L.; SIQUEIRA, JOSÉ F.; LOPES, HÉLIO P.; PROVENZANO, JOSÉ C. Removal of Root Canal Fillings in Curved Canals Using Either Mani GPR or HyFlex NT Followed by Passive Ultrasonic Irrigation. *JOURNAL OF ENDODONTICS*. v.44, p.299 - 303.e1, 2018.
21. SIQUEIRA, J. F.; PÉREZ, A. R.; MARCELIANO-ALVES, M. F.; PROVENZANO, J. C.; SILVA, S. G.; PIRES, F. R.; VIEIRA, G. C. S.; RÔÇAS, I. N.; **ALVES, F. R. F.** What happens to unprepared root canal walls: a correlative analysis using micro-computed tomography and histology/scanning electron microscopy. *INTERNATIONAL ENDODONTIC JOURNAL*. v.51, p.501 - 508, 2018.
22. ANDRADE, G.; MARCELIANO-ALVES, MARÍLIA; BRASIL, S. C.; **ALVES, FLÁVIO**. A localização do terceiro canal em pré-molares superiores para o sucesso do tratamento endodôntico: relato de caso. *Rede de Cuidados em Saúde*. v.10, p.1 - 14, 2017.
23. BRASIL, SABRINA C.; MARCELIANO-ALVES, MARÍLIA F.; MARQUES, MÁRCIA L.; GRILLO, JOÃO P.; LACERDA, MARIANE F.L.S.; ALVES, **FLÁVIO R. F.**; SIQUEIRA, JOSÉ F.; PROVENZANO, JOSÉ C. Canal Transportation, Unprepared Areas, and Dentin Removal after Preparation with BT-RaCe and ProTaper Next Systems. *JOURNAL OF ENDODONTICS*. v.43, p.1683 - 1687, 2017.
24. SOARES, R. G.; LOPES, H. P.; ELIAS, CARLOS N.; VIEIRA, M. V. B.; VIEIRA, VICTOR T.L.; PAULA, C. B.; **ALVES, F. R. F.** Comparative study of the mechanical properties of instruments made of conventional, M-wire, R-phase, and controlled memory nickel-titanium alloys. *ENDO (NEW MALDEN. PRINT)*. v.11, p.271 - 277, 2017.
25. NACIF, M.C.A.M; MARCELIANO-ALVES, M. F. V.; **ALVES, F.R.F.** Contamination of gutta-percha cones in clinical use by endodontic specialists and clinicians. *REVISTA DE LA FACULTAD DE ODONTOLOGIA UNIVERSIDAD DE ANTIOQUIA*. v.28, p.335 - 348, 2017.
26. ANDRADE JUNIOR, CARLOS VIEIRA; BATISTA, RAFAELA M.; MARCELIANO ALVES, MARÍLIA; **ALVES, FLÁVIO**; LEAL SILVA, EMMANUEL JOÃO NOGUEIRA. Efficacy of a new activation device in irrigant penetration into simulated lateral canals. *European Endodontic Journal*. v.1, p.2 - 2, 2017.
27. GALVÃO, T; CAMARGO, B; ARMADA, L; **ALVES, F.** Efficacy of three methods for inserting calcium hydroxide-based paste in root canals.



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- JOURNAL OF CLINICAL AND EXPERIMENTAL DENTISTRY. v.9, p.e762 - e766, 2017.
28. BRASIL, S. C.; SANTOS, R. M. M.; FERNANDES, A.; **ALVES, F. R. F.**; PIRES, F. R.; SIQUEIRA, J. F.; ARMADA, L. Influence of oestrogen deficiency on the development of apical periodontitis. INTERNATIONAL ENDODONTIC JOURNAL. v.50, p.161 - 166, 2017.
 29. LENZI, R; MARCELIANO-ALVES, MF; **ALVES, FRF**; PIRES, FR; FIDEL, S. Pre-eruptive intracoronal resorption in a third upper molar: clinical, tomographic and histological analysis. AUSTRALIAN DENTAL JOURNAL. v.62, p.223 - 227, 2017.
 30. ALVES, **FLÁVIO R.F.**; ANDRADE-JUNIOR, CARLOS V.; MARCELIANO-ALVES, MARÍLIA F.; PÉREZ, ALEJANDRO R.; RÔÇAS, ISABELA N.; VERSIANI, MARCO A.; SOUSA-NETO, MANOEL D.; PROVENZANO, JOSÉ C.; SIQUEIRA, JOSÉ F. Adjunctive Steps for Disinfection of the Mandibular Molar Root Canal System: A Correlative Bacteriologic, Micro-Computed Tomography, and Cryopulverization Approach. Journal of Endodontics. v.42, p.1667 - 1672, 2016.
 31. RICUCCI, DOMENICO; RÔÇAS, ISABELA N.; ALVES, **FLÁVIO R.F.**; LOGHIN, SIMONA; SIQUEIRA, JOSÉ F.. Apically Extruded Sealers: Fate and Influence on Treatment Outcome. Journal of Endodontics. v.42, p.243 - 249, 2016.
 32. ALBREGARD, T.; BRASIL, S. C.; MARCELIANO-ALVES, M. F. V.; **FLÁVIO RF ALVES** Fatores modificadores da doença perirradicular. Rede de Cuidados em Saúde. v.10, p.1 - 11, 2016.
 33. PROVENZANO, JOSÉ CLAUDIO; ANTUNES, HENRIQUE S.; ALVES, **FLÁVIO R.F.**; RÔÇAS, ISABELA N.; ALVES, WILBER S.; SILVA, MÁRCIA R.S.; SIQUEIRA, JOSÉ F. Host-Bacterial Interactions in Post-treatment Apical Periodontitis: A Metaproteome Analysis. Journal of Endodontics. v.42, p.880 - 885, 2016.
 34. SIQUEIRA, JOSÉ F.; ANTUNES, HENRIQUE S.; RÔÇAS, ISABELA N.; RACHID, CAIO T. C. C.; **ALVES, FLÁVIO R. F.** Microbiome in the Apical Root Canal System of Teeth with Post-Treatment Apical Periodontitis. Plos One. v.11, p.e0162887 - , 2016.
 35. RÔÇAS, ISABELA N.; ALVES, **FLÁVIO R. F.**; RACHID, CAIO T. C. C.; LIMA, KENIO C.; ASSUNÇÃO, ISAUREMI V.; GOMES, PATRÍCIA N.; SIQUEIRA, JOSÉ F. Microbiome of Deep Dentinal Caries Lesions in



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- Teeth with Symptomatic Irreversible Pulpitis. Plos One. v.11, p.e0154653 - , 2016.
36. MARCELIANO-ALVES, MARÍLIA; ALVES, **FLÁVIO RODRIGUES FERREIRA**; MENDES, DANIEL DE MELO; PROVENZANO, JOSÉ CLAUDIO. Micro-Computed Tomography Analysis of the Root Canal Morphology of Palatal Roots of Maxillary First Molars. Journal of Endodontics. v.42, p.280 - 283, 2016.
 37. VERSIANI, M. A.; **ALVES, F.R.F.**; ANDRADE-JUNIOR, CARLOS V.; MARCELIANO-ALVES, M. F.; PROVENZANO, J. C.; RÔÇAS, I N.; SOUSA-NETO, MANOEL D.; SIQUEIRA, J F. Micro-CT evaluation of the efficacy of hard-tissue removal from the root canal and isthmus area by positive and negative pressure irrigation systems. International Endodontic Journal (Print). v.49, p.1079 - 1087, 2016.
 38. ALVES, A. L. R. F.; MARCELIANO-ALVES, M. F. V.; CICCHI, M.; **ALVES, F.R.F.** Parestesia, por que o endodontista deve se preocupar?. full dentistry in science. v.8, p.133 - 140, 2016.
 39. ALVES, **FLÁVIO R.F.**; MARCELIANO-ALVES, MARÍLIA F.; SOUSA, JÚLIO CÉZAR N.; SILVEIRA, STEPHANIE B.; PROVENZANO, JOSÉ C.; SIQUEIRA, JOSÉ F. Removal of Root Canal Fillings in Curved Canals Using Either Reciprocating Single- or Rotary Multi-instrument Systems and a Supplementary Step with the XP-Endo Finisher. Journal of Endodontics. v.42, p.1114 - 1119, 2016.
 40. ANTUNES, H. S.; GOMINHO, L. F.; ANDRADE-JUNIOR, C. V.; DESSAUNE-NETO, N.; **ALVES, F. R. F.**; RÔÇAS, I. N.; SIQUEIRA, J. F. Sealing ability of two root-end filling materials in a bacterial nutrient leakage model. International Endodontic Journal (Print). v.49, p.960 - 965, 2016.
 41. LOPES, WEBER; LOPES, HÉLIO; ELIAS, CARLOS; VIEIRA, MÁRCIA; **ALVES, FLÁVIO** Flexibility and resistance to cyclic fatigue of instruments manufactured by different methods. DENTAL PRESS ENDODONTICS. v.05, p.13 - 18, 2015.
 42. DA SILVA, T M; **ALVES, F R. F.**; LUTTERBACH, M. T. S.; PAIVA, M. M. TeethBioForm: Device for bacterial biofilms formation. Journal of Advanced Clinical & Research Insights. v.2, p.151 - 152, 2015.
 43. ANTUNES, HENRIQUE S.; RÔÇAS, ISABELA N.; ALVES, **FLÁVIO R.F.**; SIQUEIRA, JOSÉ F. Total and Specific Bacterial Levels in the Apical Root Canal System of Teeth with Post-treatment Apical Periodontitis. Journal of Endodontics. v.41, p.1037 - 1042, 2015.



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Supervisions

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9. Cristiane Barbosa Lopes. Paresthesia related to Endodontics. 2014. Monograph. (Improvement / Specialization in Endodontics) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.
10. Mariana Machado Campos. Cracked tooth syndrome. 2014. Monograph. (Improvement / Specialization in Endodontics) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.
11. Salime Suhett Tayar Gregatti. Accidents with sodium hypochlorite: association of concentration with the incidence and severity of damage. 2013.



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Monograph. (Improvement / Specialization in Endodontics) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

12. Eliane Lessa de Oliveira. Applications of photodynamic therapy in Endodontics. 2013. Monograph. (Improvement / Specialization in Endodontics) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

13. Thais Galvão dos Santos. Pulp revascularization. 2013. Monograph. (Improvement / Specialization in Endodontics) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

14. Mariana Machado de Campos Corrêa da Costa. Cracked Teeth Syndrome: Diagnosis And Prognosis. 2013. Monograph. (Improvement / Specialization in Endodontics) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

15. Augusto César Miranda Gomes. Protocol for the treatment of patients with avulsed teeth. 2012. Monograph. (Improvement / Specialization in Endodontics) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

16. Vinícius Gomes da Silva. Flare-up: etiology and treatment. 2012. Monograph. (Improvement / Specialization in Endodontics) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

17. Mariana Alves Chagas. Automated techniques for removing filling material. 2012. Monograph. (Improvement / Specialization in Endodontics) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

18. Juliana Teixeira Lima. Final irrigation protocols in Endodontics. 2012. Monograph. (Improvement / Specialization in Endodontics) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

19. Janaína de Castro Velloso Carvalho. The success of endodontic treatment and apical deviation. 2011. Monograph. (Improvement / Specialization in Endodontics) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

20. Andressa Lourenço Pereira da Costa. Anatomical aspects related to the failure of endodontic treatment. 2011. Monograph. (Improvement / Specialization in Endodontics) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

21. Marice Amélia Almeida. Sterilization of endodontic files for ergonomic work. 2011. Monograph. (Improvement / Specialization in Endodontics) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.



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22. Ponciana Borges. Storage and organization of endodontic files for sterilization and clinical use. 2011. Monograph. (Improvement / Specialization in Endodontics) - São Leopoldo Mandic. Advisor: Flávio Rodrigues Ferreira Alves.

23. Paula Rangel Silva. Use of analgesic and anti-inflammatory prior to endodontic treatment. 2011. Monograph. (Improvement / Specialization in Endodontics) - São Leopoldo Mandic. Advisor: Flávio Rodrigues Ferreira Alves.

24. Carla Regina Vieira Dalvi. Applications of computed microtomography in endodontics. 2010. Monograph. (Improvement / Specialization in Endodontics) - São Leopoldo Mandic. Advisor: Flávio Rodrigues Ferreira Alves.

25. Aline Tavares. Association of calcium hydroxide and chlorhexidine as intra-channel medication. 2010. Monograph. (Improvement / Specialization in Endodontics) - São Leopoldo Mandic. Advisor: Flávio Rodrigues Ferreira Alves.

26. Manoela Abreu de Almeida. Flattened channels: an endodontic challenge. 2010. Monograph. (Improvement / Specialization in Endodontics) - São Leopoldo Mandic. Advisor: Flávio Rodrigues Ferreira Alves.

27. Luciana da Costa Silva. Etiology of flare-up in Endodontics. 2010. Monograph. (Improvement / Specialization in Endodontics) - São Leopoldo Mandic. Advisor: Flávio Rodrigues Ferreira Alves.

28. Rosana Costa da Silva. Ultrasound in endodontic retreatments. 2009. Monograph. (Improvement / Specialization in Endodontics) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

29. Ana Elizabeth de Rezende Martins. Periradicular surgery: influence of new advances in treatment results. 2009. Monograph. (Improvement / Specialization in Endodontics) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

30. Regina Helena Cezar Maldonado. Use of Clinical Microscope in Endodontics. 2009. Monograph. (Improvement / Specialization in Endodontics) - São Leopoldo Mandic. Advisor: Flávio Rodrigues Ferreira Alves.

31. Christiana Amaral Pedrazza. Pertage Versus Resilon as Endodontic Shutting Materials. 2009. Monograph. (Improvement / Specialization in Endodontics) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

32. Danielle Torres. Extravasation of endodontic filling material. 2009. Monograph. (Improvement / Specialization in Endodontics) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

33. Rodrigo Nogueira de Miranda. Limitations of conventional radiographic examination in Endodontics. 2008. Monograph. (Improvement / Specialization in



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Endodontics) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

34. Danielle de Queiroz Almeida France. Computed tomography in Endodontics. 2008. Monograph. (Improvement / Specialization in Endodontics) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

35. Rodrigo Magno Pinheiro Figueiredo. Technical aspects related to retro-prepared cavities. 2008. Monograph. (Improvement / Specialization in Endodontics) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

36. Márcia Cristina. Enterococcus faecalis in Endodontics. 2008. Monograph. (Improvement / Specialization in Endodontics) - São Leopoldo Mandic. Advisor: Flávio Rodrigues Ferreira Alves.

37. Flávia Soares da Costa. Effect of whitening on dental structures of pulped teeth. 2008. Monograph. (Improvement / Specialization in Endodontics) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

38. Rogério Pessanha. Antibiotics in Endodontics and their use in cases of pain and persistent exudation. 2008. Monograph. (Improvement / Specialization in Endodontics) - São Leopoldo Mandic. Advisor: Flávio Rodrigues Ferreira Alves.

39. Carina Santos Barros. Anesthesia in lower molars with symptomatic irreversible pulpitis: challenges and solutions. 2008. Monograph. (Improvement / Specialization in Endodontics) - São Leopoldo Mandic. Advisor: Flávio Rodrigues Ferreira Alves.

40. Bárbara Fontes. Viruses in Endodontics. 2008. Monograph. (Improvement / Specialization in Endodontics) - São Leopoldo Mandic. Advisor: Flávio Rodrigues Ferreira Alves.

41. Mariana de Souza Coutinho. Paresthesia related to endodontic problems. 2007. Monograph. (Improvement / Specialization in Endodontics) - São Leopoldo Mandic. Advisor: Flávio Rodrigues Ferreira Alves.

42. Danyelle Reis Antunes. Microbial Resistance to Antibiotics in Endodontics. 2006. Monograph. (Improvement / Specialization in Endodontics) - University of Grande Rio. Supervisor: Flávio Rodrigues Ferreira Alves.

43. Fernanda da Rocha Mohamad. Contribution of Molecular Methods in the Study of Microbiota Associated with Cases of Endodontic Therapy Failure. 2006. Monograph. (Improvement / Specialization in Endodontics) - University of Grande Rio. Supervisor: Flávio Rodrigues Ferreira Alves.



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44. Jaqueline de Macedo. Microbiota of the apical third of the root. 2005. 30 f. Monography. (Improvement / Specialization in Endodontics) - University of Grande Rio. Supervisor: Flávio Rodrigues Ferreira Alves.

45. Luis Felipe da Rocha Calvão. Evaluation of the Degree of Dental Decalcification Produced by Different Acids Proposed for Diaphanization. 2005. Monograph. (Improvement / Specialization in Endodontics) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

46. Ciciane Peres Castro Padilha. Effect of the vehicle on antimicrobial activity in calcium hydroxide pastes: literature review. 2004. 40 f. Monography. (Improvement / Specialization in Endodontics) - University of Grande Rio. Supervisor: Flávio Rodrigues Ferreira Alves.

47. Renato Silva. Obturator materials used in endodontic treatment of primary teeth. 2004. 35 f. Monography. (Improvement / Specialization in Endodontics) - University of Grande Rio. Supervisor: Flávio Rodrigues Ferreira Alves.

48. Rita de Cássia Moor. Microbial etiology of endodontic failure. 2004. 42 f. Monography. (Improvement / Specialization in Endodontics) - University of Grande Rio. Supervisor: Flávio Rodrigues Ferreira Alves.

49. Fernanda Rocha Cabral. Cytotoxicity of endodontic cements. 2004. 39 f. Monography. (Improvement / Specialization in Endodontics) - University of Grande Rio. Supervisor: Flávio Rodrigues Ferreira Alves.

50. Breno Rocha Leite. Sealing provided by different thermoplastic filling techniques. 2004. 46 f. Monography. (Improvement / Specialization in Endodontics) - University of Grande Rio. Supervisor: Flávio Rodrigues Ferreira Alves.

51. Ana Carla. Use of chlorhexidine in endodontic treatment. 2004. 34 f. Monography. (Improvement / Specialization in Endodontics) - University of Grande Rio. Supervisor: Flávio Rodrigues Ferreira Alves.

Graduation Final Work – concluded

1. Bruna W. Lessa. Comparison of contemporary preparation techniques for cleaning root canals containing necrotic pulp. 2017. Course Conclusion Paper. (Graduation in Dentistry) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

2. Felipe Aguiar. Dentin microfissures related to endodontic instruments. 2014. Course Conclusion Paper. (Graduation in Dentistry) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.



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3. Camila da Rocha Alves. Chlorhexidine as final intracanal irrigator in Endodontics. 2014. Course Conclusion Paper. (Graduation in Dentistry) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

4. Camilla Araújo Nogueira. Incidence of flare-ups associated with root canal irrigation with sodium hypochlorite. 2013. Course Conclusion Paper. (Graduation in Dentistry) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

5. Carolina Tassara. Causes of endodontic therapy failure: literature review and clinical case. 2011. Course Conclusion Paper. (Graduation in Dentistry) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

6. Glauco Gomes Vilar. Chemical solutions for disinfecting gutta-percha cones. 2010. Course Conclusion Paper. (Graduation in Dentistry) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

7. Felipe Villela Martins. Cone beam computed tomography and its applications in Endodontics. 2009. Course Conclusion Paper. (Graduation in Dentistry) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

8. Nathaly Niegueski. Calcium hydroxide x mineral trioxide aggregate in apicification. 2009. Course Conclusion Paper. (Graduation in Dentistry) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

9. Tereza Cristina Alves de Souza. Differentiated techniques for filling root canals with gutta-percha. 2009. Course Conclusion Paper. (Graduation in Dentistry) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

10. Raphael Miranda Esposito de Oliveira. Incidence of a fourth canal in maxillary molars. 2009. Course Conclusion Paper. (Graduation in Dentistry) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

11. Fabio Toshio Uehara Fernandes. Protaper System in Endodontics. 2009. Course Conclusion Paper. (Graduation in Dentistry) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

12. Márcio Mansur de Mello Gonçalves. Non-surgical endodontic retreatment: indications and techniques. 2008. Course Conclusion Paper. (Graduation in Dentistry) - Universidade Estácio de Sá. Advisor: Flávio Rodrigues Ferreira Alves.

Scientific Initiation Research - concluded

1. Camila da Rocha Alves. Chlorhexidine as an intracanal irrigator. 2014. Scientific Initiation. (Graduating in Dentistry) - Estácio de Sá University, Carlos



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Chagas Filho Foundation for Research Support in the State of RJ. Advisor: Flávio Rodrigues Ferreira Alves.

2. Aline Ribeiro Lima. Accidents with sodium hypochlorite in clinical practice. 2013. Scientific Initiation - Estácio de Sá University, Carlos Chagas Filho Foundation for Research Support in the State of RJ. Advisor: Flávio Rodrigues Ferreira Alves.

3. Eduardo Costa. Prevalence of flare-up in endodontic clinics at Universidade Estácio de Sá. 2011. Scientific Initiation. (Dentistry Graduation) - Estácio de Sá University, National Education Fund. Advisor: Flávio Rodrigues Ferreira Alves.

4. Ana Claudia da Silva Vila Nova. Prevalence of flare-up in endodontic practice according to its different causes. 2010. Scientific Initiation. (Graduation in Dentistry) - Estácio de Sá University, Carlos Chagas Filho Foundation for Research Support in the State of RJ. Advisor: Flávio Rodrigues Ferreira Alves.

Total of Production

Bibliographic Production

Articles published in scientific journal	91
Chapters published	4
Articles published in annals of events	56
Presentations in Events (Congress)	4
Other bibliographic productions	1

Technical Production

Technical Works (opinion document)	1
Short Term Course Taught (Improvement)	6
Short Term Course Taught (specialization)	33
Short Term Course Taught (other)	30
Development of teaching material	4
Research report	1
Blog	2

Patentes e Registros

Patente	1
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Academic Advisories

Academic Advisory - concluded (Master's thesis - secondary advisor)	5
Academic Advisory - concluded (Master's thesis - primary advisor)	17
Academic Advisory - concluded (Ph.D. thesis - primary advisor)	5
Academic Advisory - concluded (Improvement/Specialization Courses)	45
Monography)	



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Academic Advisory - concluded (Improvement/Specialization Courses Monography)	6
Academic Advisory - concluded (Course Conclusion Paper)	12
Academic Advisory - concluded (scientific initiation)	4
Academic Advisory - current (Master´s thesis - advisor)	1
Academic Advisory - current (Ph.D. thesis - advisor)	2
Academic Advisory - current (scientific initiation)	4
Academic Advisory - current (postdoctorate supervision)	1
Events	
Participation in events (congress)	33
Participation in events (seminar)	1
Participation in events (symposium)	1
Participation in events (meeting)	7
Participation in events (other)	6
Event Production (other)	1
Participation in graduate boards (Master´s)	21
Participation in graduate boards (Doctorate)	8
Participation in graduate boards (exam for Ph.D. qualification)	1
Participation in graduate boards (Improvement/Specialization Courses)	5
Participation in judging commission boards (professor)	1
Participation in judging commission boards (contest)	1
Participation in judging commission boards (other)	17



Other Relevant Information

- a) Researcher of the Young Scientist Program of Our State at the Carlos Chagas Filho Foundation for Research Support of the State of Rio de Janeiro (FAPERJ) - 2015-2017. No. 203495.
- b) Responsible for a research project included in the Program "Support to Teaching and Research Institutions Headquartered in the State of Rio de Janeiro-2015-FAPERJ" - 2016-2018. Proc. nº E-26 / 010.001883 / 2015
- c) Researcher of the Young Scientist Program of Our State at the Carlos Chagas Filho Foundation for Research Support of the State of Rio de Janeiro (FAPERJ) - 2012-2015. Proc. nº E-26 / 103.229 / 2011
- d) Responsible for a research project covered by the Program "Support to Teaching and Research Institutions Headquartered in the State of Rio de Janeiro-2012-FAPERJ" - 2012-2014. Proc. nº E-26 / 112.093 / 2012.
- e) Responsible for a research project covered by the "Emerging Groups-FAPERJ" Program - 2015-2016. Proc. nº E-26 / 110.117 / 2014.
- f) Participant in the Research Group awarded with Financial Assistance from FAPERJ in the Program "Pensa Rio - Support for the Study of Relevant and Strategic Themes for the State of RJ - 2009" - 2010/2012.
- g) Responsible for a research project included in the Program "Support to Teaching and Research Institutions Headquartered in the State of Rio de Janeiro-2015-FAPERJ" - 2016-2018. Proc. nº E-26 / 010.001883 / 2015.
- h) Researcher of the Young Scientist Program of Our State at the Carlos Chagas Filho Foundation for Research Support of the State of Rio de Janeiro (FAPERJ) - 2018-2020. Order No. 2326.