




Bharath Institute of Higher Education and Research

Faculty Profile

Personal Details	
Dr Badri Thiruvengkatachari	
B.D.S. M.D.S. PhD, FDS RCS (Edinburgh) FDS RCS (London) MFDS RCS(Edinburgh) Morth (Edinburgh)	
Department of Orthodontics	
Sree Balaji Dental College & Hospital	
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AWARDS AND ACHIEVEMENTS

1. B.F. and Helen E. Dewel Award for Clinical Research for the highest rated clinical research published in the American Journal of Orthodontics and Dentofacial Orthopedics -2021
 2. David L. Turpin Award for the best research published in the American Journal of Orthodontics and Dentofacial Orthopedics. Awarded by the American Orthodontic Association in San Francisco (2015).
 3. B.F. and Helen E. Dewel Award for Clinical Research for the highest rated clinical research published in the American Journal of Orthodontics and Dentofacial Orthopedics (2010)
 4. Chapman Prize for best journal paper published in orthodontic journal for the year 2010.
 5. Rising star award by the British Orthodontic Society for the most outstanding research carried out in the UK (2010).
 6. B.F. and Helen E. Dewel Award for Clinical Research for the highest rated clinical research published in the American Journal of Orthodontics and Dentofacial Orthopedics (2010).
 7. ORS scholarship and Faculty funding for a clinical PhD on a Randomised Controlled Trial on the effectiveness of the Dynamax and Twinblock appliance measured by three dimensional laser scanner. 2006 (£23,600).
 8. Sponsorship from DENTOS Company, South Korea (www.dentos.co.kr), for a clinical trial on ANSO-ANCHOR Orthodontic Micro-Implants (£5000).
 9. Excellence in Research, AAID Maxi, USA/India collaboration- Feb 2024
- John Sebastian Award, Indian Dental Association, 2023

Subjects Taught	
UG	PG
Orthodontics and Dentofacial Orthopedics	Orthodontics and Dentofacial Orthopedics

Academic Background				
Degree	Specialization	University	Class	Month & Year of Passing
FDS (Orth)		Royal College of Surgeons of Edinburgh		2017
FDS (Ortho)	Orthodontics	Royal College of Surgeons of London		2015

MFDS		Royal College of Surgeons of Edinburgh		2010
MOrth		Royal College of Surgeons of Edinburgh		2009
PhD	Orthodontics	University of Manchester.		2009
M.D.S.,	Orthodontics	Annamalai University, India		2004
B.D.S.,		Annamalai University, India		2001

2015 Intercollegiate Speciality Fellowship Examination (ISFE)
2018 Diplomate in the Indian Board of Orthodontics (DIBO)
2018 Fellow of Higher Education Academy, UK (FHEA)

Work Experience			
Name of the Institution/Company	Position	From	To
University of Malaysia, Malaysia	Visiting Professor	02.02.2024	Till date
Sree Balaji Dental College, BIHER	Professor & Research Director	01.11.2019	Till date
Cleft and Craniofacial Centre, Sree Balaji Medical College and Rela Hospital	Co-director	01.09..2022	Till date
University of Manchester	Senior Lecturer	01.01.2018	Till date
The Bay Orthodontics, Colwyn Bay, North Wales, UK	Principal Orthodontist	01.03.2016	Till date
Stepping Hill Hospital, UK	Consultant Orthodontist	01.10.2015	03.06.2018
Saveetha Dental College, Chennai	Professor	01.08.2018	30.09.2019
University of manchester	Senior Lecturer	01.01.2018	01.07.2018
University of manchester	Clinical Lecturer	01.10.2015	31.12.2017
University of manchester	NIHR Academic Clinical Lecturer/FTTA	01.10.2012	01.10.2015
Hightown Orthodontics, Crewe	Asso. Specialist	01.05.2009	30.09.2012
University of manchester	Clinical Lecturer	01.05.2009	30.09.2012

University of Manchester	Clinical Teaching Fellow	01.09.2005	30.04.2009
Chesterfield Royal Hospital NHS Trust	Specialist Orthodontist	01.09.2005	30.04.2009
ADC, India	General Dental Practitioner	01.07.2001	01.07.2002
Annamalai University, India	House officer (VT)	01.07.2000	31.06.2001

Research Publications

Journal Publications

1. Thiruvengkatachari, B., Bonanthaya, K., Kuijpers Jagtman, A.M. *et al.* A multi-centric, single-blinded, randomized, parallel-group study to evaluate the effectiveness of nasoalveolar moulding treatment in non-syndromic patients with complete unilateral cleft lip, alveolus and palate (NAMUC study): a study protocol for a randomized controlled trial. *Trials* **25**, 453 (2024). <https://doi.org/10.1186/s13063-024-08229-z>
2. Thiruvengkatachari B, Chakkaravarthi S, Prathap M, Naveed N, Bhuvargarhan A. Effectiveness of pre-alveolar bone graft orthodontics for patients with non-syndromic complete unilateral cleft lip, alveolus and palate: A systematic review and meta-analysis. *Orthod Craniofac Res.* 2024 Jun;27 Suppl 1:90-99.
3. Bhuvargarhan A, King R, Walley J, Thiruvengkatachari B, Aggarwal VR. Dental antibiotic policies, stewardship, and implementation in India: A policy document analysis. *Community Dent Oral Epidemiol.* 2024 Jun 18. doi: 10.1111/cdoe.12989. Epub ahead of print. PMID: 38887900.
4. Thiruvengkatachari B, Prathap M, Jauhar P, Batra P, Shetty P, Subash P. A Survey on Alveolar Bone Grafting in Indian Cleft Centers. *Cleft Palate Craniofac J.* 2023 Sep 16:10556656231201491.
5. Thiruvengkatachari, Badri & Sivakumar, Prema & Ananth, Sanjana & Sabbagh, Yana & Lewis, Benjamin & Chadwick, Stephen & Kaliyaperumal, Gnana & Batra, Panchali. (2023). The impact of COVID-19 pandemic on orthodontic services and trainees' mental health in India. *Frontiers in Medicine.* 10. 10.3389/fmed.2023.1220505.
6. Kirtane R, Wiltshire B, Thiruvengkatachari B, Bittencourt P, Shah A, Pinheiro F. Authors response. Cephalometric effects of Twin-Block and van Beek Headgear-Activator in the correction of Class II malocclusion. *Am J Orthod Dentofacial Orthop.* May 2023.
7. Batra, P, Sybil D, Batra P, Arisha A, Thiruvengkatachari B. Standard of Care for Patients with Cleft Lip and Palate in India- A Questionnaire-based Study. *Cleft Palate-Craniofacial Journal.* 2022 Jan 31. DOI: [10.1177/10556656221074212](https://doi.org/10.1177/10556656221074212)
8. Thiruvengkatachari B, Hussain SA, Batra P, Vijayakumar C, Prathap C M. Reducing the burden of orthodontic care for children with clefts: evaluating the effectiveness of pre-alveolar bone graft orthodontics in unilateral non-syndromic cleft patients (PABO study)- A study protocol for a multicentric randomised controlled trial. *Trials.* 2021 Aug 28;22(1): 1-8
9. Sebastian B, Bhuvargarhan A, Thiruvengkatachari B. Orthodontic space closure in sliding mechanics: a systematic review and meta-analysis. *European Journal of Orthodontics.* 2021; 1-16
10. Meyhar L, Sandler J, Thiruvengkatachari B. Does observational study on the effectiveness of the Twin Blocks overestimate or underestimate the results? A comparative analysis of retrospective samples versus randomised controlled trial. *J of World Fed Orthodontists.* 2021 Jun;10(2):43-48

11. Narayan P, Thiruvengkatachari B, DiBiase A. Role of GDP in managing the risks of orthodontic treatment. *Br Dent J*. 2021 Dec;231(11):682-688. doi: 10.1038/s41415-021-3713-5
12. Chaturvedula BB, Muthukrishnan A, Bhuvaraghan A, Sandler, J, Thiruvengkatachari B. Dens Invaginatus: a review and orthodontic implications. *British Dental Journal*. 2021 march; 230: 6: 345-50
13. Macey R, Thiruvengkatachari B, O'Brien K, Batista KBSL. Authors response, Do malocclusion and orthodontic treatment impact on oral health?. *Am J Orthod Dentofacial Orthop*. 2020 Nov;158(5):631.
14. Richard Macey, Badri Thiruvengkatachari, Klaus Batista, Kevin O'Brien. Do malocclusion and orthodontic treatment impact on oral health? A systematic review and meta-analysis in *Am J Orthod Dentofacial Orthop*. 2020 Jun;157(6):738-744.e10
15. Yiwen Chen, Fang Hua, Yan Mei, Badri Thiruvengkatachari, Phil Riley, Hong He. The Characteristics and Level of Evidence of Clinical Studies Published in Five Leading Orthodontic Journals. *Journal of Evidence Based Dental Practice*. In Press
16. Batista, K, Thiruvengkatachari B, O'Brien, KD. Intention-to-treat analysis: Are we managing dropouts and missing data properly in research on orthodontic treatment? A systematic review. *Am J Orthod Dentofacial Orthop*. 2019 Jan;155(1):19-27
17. Batista, K, **Thiruvengkatachari B**, Harrison JE, Worthington HV. O'Brien KD. Orthodontic treatment for prominent upper front teeth in children. *Cochrane Database Syst Rev*. 2018 March. Issue 3. Art. No.: CD003452.
18. **Thiruvengkatachari B**, Javidi H, Griffiths S, Shah A, Sandler J. Extraction of maxillary canines - esthetic perception of patient smiles among dental professionals and lay people. *Am J Orthod Dentofacial Orthop*. 2017 Oct;152(4):509-515.
19. C. Lindner, D. Waring, B. **Thiruvengkatachari**, K. O'Brien, and T.F. Cootes. Adaptable landmark localisation: applying model transfer learning to a shape model matching system. *Medical Image Computing and Computer Aided Intervention (MICCAI) 2017*, pp.144-151.
20. Sandler J, **Thiruvengkatachari B**, Gutierrez R. Measuring molar movement: A reliable technique. *APOS Trends Orthod* 2017;7:63-8
21. Woon SC, **Thiruvengkatachari B**. Early orthodontic treatment for Class III malocclusion: A systematic review and meta-analysis. *Am J Orthod Dentofacial Orthop*. 2017 Jan;151(1):28-52
22. Hidalgo Rivas JA, Horner K, **Thiruvengkatachari B**, Davies J, Theodorakou C. Development of a low-dose protocol for cone beam CT examinations of the anterior maxilla in children. *Br J Radiol*. 2015 Oct;88(1054)
23. **Thiruvengkatachari B**, Harrison JE, Worthington HV. O'Brien KD. Early orthodontic treatment for Class II malocclusion reduces the chance of incisal trauma: The results of a Cochrane Systematic Review. *Am J Orthod Dentofacial Orthop*. 2015 Jul;148(1):47-59.
24. Mittal M, **Thiruvengkatachari B**, Sandler PJ, Benson PE. A three-dimensional comparison of torque achieved with a preadjusted edgewise appliance using a Roth or MBT prescription. *Angle Orthod*. 2014 Jun 30.
25. Sandler J, Murray A, **Thiruvengkatachari B**, Guitierrez R, Speight P, O'Brien K. Effectiveness of 3 methods of anchorage reinforcement for maximum anchorage in adolescents: A 3-arm multicenter randomized clinical trial. *Am J Orthod Dentofacial Orthop*, 2014. Jul;146(1):10-20

26. **Thiruvengkatachari B**, Harrison JE, Worthington HV, O'Brien KD. Orthodontic treatment for prominent upper front teeth in children. *Cochrane Database Syst Rev*. 2013 Nov 13;11:CD003452
27. Book review "New horizons in orthodontics, volume I: Advances in fixed appliance technique". *Am J Orthod Dentofacial Orthop*, 2012. 141(4); 522.
28. Jambi S, **Thiruvengkatachari B**, O'Brien KD, Walsh T. Orthodontic treatment for distalising upper first molars in children and adolescents. *Cochrane Database Syst Rev*. 2013 Oct 23;10: CD008375.
29. **Thiruvengkatachari B**, Sandler J, Murray A, Walsh T, O'Brien K. (2010). Comparison of Twin-block and Dynamax appliances for the treatment of Class II malocclusion in adolescents: a randomized controlled trial. *Am J Orthod Dentofacial Orthop*, 138(2), 144.e1-9; discussion 144-5.
30. **Thiruvengkatachari B**, O'Brien KD, Walsh T. Orthodontic treatment for distalising upper first molars (protocol). Jambi S, The Cochrane Library, 2010 Issue 2.
31. **Thiruvengkatachari B**, AL-Abdallah M, Akram NC, O'Brien K. A method of measuring three dimensional tooth movement using 3D Surface Laser Scanner. *Am J Orthod Dentofacial Orthop*. 2009 Apr;135(4):480-5.
32. O'Brien....., **Thiruvengkatachari B**, Walsh T, Turbill E. Early treatment for Class II Division 1 malocclusion with the Twin-block appliance: a multi-center, randomized, controlled trial. *Am J Orthod Dentofacial Orthop*. 2009 May;135(5):573-9.
33. O'Brien....., **Thiruvengkatachari B**, Walsh T, Turbill E. Prospective, multi-center study of the effectiveness of orthodontic/orthognathic surgery care in the United Kingdom. *Am J Orthod Dentofacial Orthop*. 2009 Jun;135(6):709-14.
34. **Thiruvengkatachari B**, Pavithranand, Rajasigamani. Comparison of rate of canine retraction between conventional molar anchorage and titanium microimplant anchorage. *Am J Orthod Dentofacial Orthop*. 2008 Jul; 134(1):30-5.
35. Sandler J, Benson PE, Doyle P, Majumder A, O'Dwyer J, Speight P, **Thiruvengkatachari B**, Tinsley D. Palatal implants are a good alternative to headgear: a randomized trial. *Am J Orthod Dentofacial Orthop*. 2008 Jan; 133(1):51-7.
36. Banks P, **Thiruvengkatachari B**. Long-term clinical evaluation of bracket failure with a self-etching primer: a randomized controlled trial. *J Orthod*. 2007 Dec; 34(4):243-51.
37. **Thiruvengkatachari B**, Pavithranand, Rajasigamani and Hee Moon Kyung. Molar anchorage loss with and without the use of implant anchorage during canine retraction. *Am J Orthod Dentofacial Orthop*. 2006; 129: 551-554.

Book Chapters

1. **Thiruvengkatachari B** et al. Class II malocclusion. *Evidence-Based Orthodontics*. John Wiley & Sons
2. **Thiruvengkatachari B** et al. Class III malocclusion. *Evidence-Based Orthodontics*. John Wiley & Sons
3. **Thiruvengkatachari B** et al. Distalizing upper first molars. *Evidence-Based Orthodontics*. John Wiley & Sons

FUNDED PROJECTS INVOLVED

1. Reducing the burden of care for children with clefts: Evaluating the effectiveness of **N**asoalveolar **M**oulding in complete **U**nilateral non-syndromic **C**left patients (**NAMUC**)

- Study). India Alliance. Wellcome Trust Senior Fellowship/DBT India. Rs. 4.67 Crores (£0.5 Million). PI: Badri Thiruvengkatachari. Start: Sep 2021. End: August 2026.
2. Economic evaluation for cleft patients. Sub-study of a multicentric RCT. Stitching Sumbing Bibir, Nederland. PI: Badri Thiruvengkatachari. start 2021-End 2025. Rs. 1.1 Crores (125,000 Euros).
 3. Reducing the burden of Orthodontic Care for children with Clefts: Evaluating the effectiveness of Pre-alveolar Bone Graft Orthodontics in unilateral non-syndromic Cleft patients (PABO Study). Science and Engineering Research Board, Core Research grant, Rs. 43,91,200. Principal Investigator: Badri Thiruvengkatachari. Start 01.01.2020- end 12.07.2023
 4. UKIERI. Cleft Care India Study. Rs 14,50,000 (£14,000). Principal Investigator: Badri Thiruvengkatachari. Start 01.07.2019- end 01.07.2021
 5. Evaluation of cleft care outcomes of non-syndromic unilateral cleft lip and palate (UCLP) patients at ages 5,12 and 20 across India: The Cleft Care India Study. Rs.39,96,000 (£45000). Principal Investigator: Panchali Batra, Badri Thiruvengkatachari. Start 01.07.2019- end 01.07.2021
 6. National Institute of Health Research CL grant for research on orthodontic and cleft related projects (£27000). Investigator: Badri Thiruvengkatachari. Start 01.10.2012 - end 01.10.2015
 7. ORS scholarship and Faculty funding for a project on Randomised Controlled Trial on the effectiveness of the Dynamax and Twinblock appliance measured by three dimensional laser scanner (£23,600). Investigator: Badri Thiruvengkatachari
01.09.2006 to 01.10.2008

EXAMINERSHIP:

- 2017-current: Examiner for Membership in Orthodontics (**MOrth**), RCS England
 2014- current: Examiner for Licence in Dental Surgery (**LDS**), RCS England
 2014- current: Examiner for Membership of the Faculty of Dental Surgery (**MFDS**), RCS Edinburgh
 2014- 2017: Examiner in Manchester orthodontic therapist course
 2009- 2018: Examiner for Year 3, year 4 and year 5 (final year) **BDS**
 2010- 2017: Examiner for **MSc** research, University of Manchester

PROFESSIONAL ACTIVITIES

Associate Editor- Orthodontics and Craniofacial Research Journal
 Referee for the following journals,
 American Journal of Orthodontics and Dentofacial Orthopedics (since 2012)
 Angle Orthodontist (since 2010)
 European Journal of Orthodontists (since 2011)
 British Dental Journal (since 2017)
 Journal of Orthodontics (since 2012)
 Orthodontics and Craniofacial research (since 2015)
 Indian Journal of Dental Research (since 2010)
 Journal of Indian Orthodontic Society (since 2014)
 Dental Update - Orthodontic section (since 2008)

Professional membership

Member of World Federations of Orthodontics
 Member of British Orthodontic Society
 Member of British Lingual Orthodontic Society
 Member of the Indian Orthodontic Society
 Member of Indian Dental Association

