

Pranit Vasant Bora

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Education

The University of Alabama at Birmingham <i>Master of Science, Dental Biomaterials</i> <i>Graduate Certificate in Dentistry (Dental Biomaterials)</i>	July 2022 – March 2024
K.M Shah Dental College, India <i>Master of Dental Surgery (MDS), Prosthodontics</i>	July 2019 - July 2022
Pravara Institute of Medical Sciences, India <i>Bachelor of Dental Surgery (BDS)</i>	July 2013 - July 2019

Profession Experience

Clinical Assistant Professor <i>Division of Clinic Essentials and Simulation,</i> <i>School of Dentistry, University of Detroit Mercy.</i>	April 2024 - Present
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- **Chair – Standing committee for Research for School of Dentistry (Sept 2024 – Sept 2025)**
- **Simulation Clinic VI - Course Director (DCS 8611) (Third Year D3 - Summer 2024)**
Oversee the RPD curriculum, focusing on practical skills in removable prosthodontics, including treatment planning and design techniques.
- **Oral Health - Lecturer/Support Faculty (DCS 8101) (First Year D1 - Fall 2024)**
Teach occlusion and articulators, emphasizing occlusal relationships and their importance in dental health.
- **Simulation Clinic I - Bench Instructor (DCS 8111) (First Year D1 - Fall 2024)**
Instruct first-year students in cavity preparation, filling techniques, and the significance of occlusion in restorative dentistry through hands-on demonstrations.
- **Fixed Partial Denture - Course Director (DCS 8401) (Second Year D2 - Fall 2024)**
Deliver a comprehensive FPD curriculum covering tooth preparations, selection of materials, interim fabrication, impression techniques, digital scanning, designing FPDs, and cementation.
- **Simulation Clinic IV - Course Director (Second Year D2 - DCS 8411)**
Combine FPD and RPD instruction, demonstrating crown cutting, impression making, interim fabrication, treatment planning, abutment selection, and designing RPDs using major and minor connectors.
- **Simulation Clinic III - Support Faculty (Second Year D2 - DCS 8311)**
Conduct directed study sessions on single crowns, guiding students through essential techniques and practical applications.

- **Simulation Clinic III - Support Faculty *Direct Study* (Second Year D2 - DCS 8311)**
Conduct directed study sessions on single crowns, guiding students through essential techniques and practical applications.

Hospital And Other (Non-Academic) Appointments

- Internship – Research intern at Dental Advisor (July 2023- August 2023)
- Research Assistant - Behavioral & Population Sciences, UAB School of Dentistry (April 2023 – March 2024).
- Student Assistant - Lund and Randal Lab, UAB Department of Immunology (Aug 2022 – March 2023).
- Student Assistant – Office of Dental Admission, UAB School of Dentistry (Dec 2022 – March 2024).
- Consultant Prosthodontist - Marudeva Dental Surgical House, Vadodara, India (Dec 2019 – June 2022).
- Research Assistant – Genexisis Biotech, Vadodara, India (Dec 2019 – June 2022).
- Graduate Assistant – Department of Prosthodontics, K.M. SHAH Dental College, Vadodara, India (May 2019 – June 2022).

Professional Societies and Memberships

- Member – American Dental Association (ADA) (2022 – Present)
- Member – American Dental Education Association (ADEA) (2025 – Present)
- Member – Michigan Dental Association (MDA) (2025 – Present)
- Member – Academy of Dental Materials (ADM) (2024 – Present)
- Member – American Association for Dental Research (AADR) (2022 – Present)
- Volunteer – ADA Standards Committee on Dental Products Working Group (2022 – Present)
- Member – Indian Prosthodontic Society (IPS) (May 2019 – Present)
- Member – Indian Dental Association (IDA) (2013 – Present)
- State Editor – Gujarat State, Indian Association of Dental Students (2021 – 2022)
- Member – Institute of Scholars, India

Awards

- Tylman Award Winner, American Academy of Fixed Prosthodontics – First place for a research report, "*Enamel wear and fatigue resistance of 3D-printed resin compared to lithium disilicate.*" The award included a cash prize of \$2,000 (2024).

- Tylman Research Grant Recipient, American Academy of Fixed Prosthodontics, providing funding of \$5,000 (2023).
- Graduate Fellowship by the School of Dentistry, recognizing academic excellence and commitment to research, supporting my pursuit of a Master of Science in Dentistry. \$8000 (2023)
- Dean's Travel Award Winner for AAODCR (2023).
- 3rd Prize, Clinical Post-Doctoral Poster, UAB Scholars Symposium (2023).
- 2nd Prize, Indian Society of Periodontology Essay Competition (2022).
- Consolation Prize, ICPA Predict The Future (2022).
- Best Innovation of The Year, Next Den Gen (2021).
- 2nd Prize, Innovation in Prosthodontics, 48 Indian Society of Prosthodontics - National Virtual Conference (2020).
- Consolation Prize, Indian Society of Periodontology Essay Competition (2020)
- 1st Prize Logo and Tag Line, 22nd Indian Society of Prosthodontics, PG Convention 3000rs (2020).

Published Articles

- **Bora PV**, Lawson NC, Givan DA, Arce C, Roberts H. Enamel wear and fatigue resistance of 3D printed resin compared with lithium disilicate. The Journal of Prosthetic Dentistry. 2025 Feb; <https://doi.org/10.1016/j.prosdent.2024.10.024>.
- Lawson NC, Safadi Y, Alford A, Aggarwal H, **Bora PV**, Lawson TJ, et al. Flexural strength, fracture toughness, translucency, stain resistance, and water sorption of 3D-printed, milled, and conventional denture base materials. J Prosthodont. 2024; 1–8. <https://doi.org/10.1111/jopr.13955>
- Akram Sayed Ahmed, Nathaniel C. Lawson, Chin-Chuan Fu, **Pranit V. Bora**, Edwin Kee, Amir H. Nejat. The effect of die material on the crown fracture strength of zirconia crowns. Materials MDPI. 2024 Feb 28. <https://doi.org/10.3390/ma17051096>
- Jurado CA, **Pranit V. Bora**, Francisco X. Azpiazu-Flores, Seok-Hwan Cho, Kelvin I. Afrashtehfar. Effect of resin cement selection on fracture resistance of chairside CAD-cam lithium disilicate crowns containing virgillite: A comparative in vitro study. J Prosthet Dent. 2023 Sep 21. <https://doi.org/10.1016/j.prosdent.2023.09.021>
- **Pranit V. Bora**, Akram Sayed Ahmed, Aaron Alford, Kirsten Pittman, Vinoy Thomas, Nathaniel C. Lawson. Characterization of materials used for 3D printing dental crowns and hybrid prostheses. J Esthet Restor Dent. 2023 Nov 11. <https://doi.org/10.1111/jerd.13174>
- Shah S, Gupta K, **Bora P**, Sethuraman R, Patel B. Comparative evaluation of the effect of nanodiamond nanoparticle reinforcement and die system on marginal fit and microleakage of provisional crowns with polymethyl methacrylate: An in-vitro study. Eur Chem Bull. 2023 Apr;12(1):1832–40. Doi:10.48047/ecb/2023.12.1.264.

- **Bora P.** Unexplored frontiers in dental materials: potential innovations and future directions. Acta Sci Dent Sci. 2023 Jul 24. [Acta Scientific | International Open Library | Open Access Journals Publishing Group](#)
- Hannah Bloom, **Pranit Bora**. Loving the lab - Ever wonder what goes on in a dental biomaterials lab. Contour – ASDA. 2023 Nov 21. <https://digitaleditions.walsworth.com/publication/?i=803823&p=&pn=>
- **Bora P**, Gupta K, Sethuraman R, Khated B, Shah Y. Gingival prosthesis: A case report. Clin Case Rep. 2022 Jun 27. <https://www.pulsus.com/scholarly-articles/gingival-prosthesis-a-case-report-10956.html>
- **Bora P**, Gupta K, Sethuraman R. Philosophies of full mouth rehabilitation. LAP LAMBERT Academic Publishing. 2022 May 31. <https://www.lap-publishing.com/catalog/details//store/gb/book/978-620-4-68927-3/philosophies-of-full-mouth-rehabilitation>
- Shah P, **Bora PV**, et al. A survey on prosthodontists' preference for full arch fixed implant-supported prosthesis in Gujarat State. Eur J Biomed Pharm Sci. 2021 Jun 22;8(7):451-456. https://www.ejbps.com/ejbps/abstract_id/8307
- **Bora P**, Sethu R. Clean-O-Denture - a device to improve denture hygiene. The Dental Tribune. 2021 May. <https://www.dental-tribune.com/news/clean-o-denture-a-device-to-improve-denture-hygiene/>
- **Pranit Bora**, Dr. Deepak Vikhe, Dr. Aruna Bhandari, Namita Gandhi. Reinforced single complete maxillary denture. J Curr Res. 2018 Jun 28;10(06):70186-70189. <https://www.journalcra.com/article/reinforced-single-complete-maxillary-denture>

Patents and Design Registration

- Denture Washer - Design number – 334076-001 Approved – (08/10/2020).
- Device to prepare rest for cast partial denture for molar - Design number – 364592-001 Approved – (23/05/2022).
- Device to prepare rest for cast partial denture for molar – Utility Patent Number - 202221066506.
- SALI-VORBENT FINGER GLOVE SET - 388898-001 Approved – (23/06/2023).
- Dental Retro Illuminator - Design number – 417234-001 Approved – (17/05/2024).
- Dental Panoramirror - Design number – 417233-001 Approved – (17/05/2024).

Published Abstracts

- **Bora PV**, Shah KS, Gomes T, Machado N, Bloom H, Lawson T, Lawson NC. **Flexural strength, wear, depth of cure of different composite resins.** J Dent Res 102 (Spec Iss A); 2023: 0511. – AADOCR (2023)

- Machado N, Nizami B, Lawson NC, Ahmed A, Lawson T, ***Pranit B. Gloss of a resin composite using several polishing systems.*** *J Dent Res* 102 (Spec Iss A); 2023: 1290. – AADOCR (2023)
- Bloom HC, Nizami B, Ahmed A, Mantri C, ***Bora PV***, Goldstein RE, Lawson NC. ***Translucency and color masking ability of lithium disilicate and zirconia.*** *J Dent Res* 102 (Spec Iss A); 2023: 0893. – AADOCR (2023)
- Ahmed A, Lawson NC, Shah KS, Mantri C, Nizami B, ***Bora PV***, Renne W. ***Comparing wear and flexural strength of 3D-printed denture teeth materials.*** *J Dent Res* 102 (Spec Iss A); 2023: 0397– AADOCR (2023)
- Martins E, ***Pranit B***, Machado N, Gomes T, Nizami B, Lawson NC. ***Lithium disilicate bond strength using various etching and primer conditions.*** *J Dent Res* 102 (Spec Iss A); 2023: 0405. – AADOCR (2023)

Poster Presentation

- ***Wear of lithium disilicate opposing zirconia, lithium disilicate, and porcelain.*** - #41 Pranit Bora, Krisha Shah, Nate Lawson, Amir Nejat - American Academy of Fixed Prosthodontics (2023)
- ***Flexural strength of materials used for provisional restorations-*** #32 Dr. Taillk Gomes, Dr. Nathaniel Lawson, Dr. Pranit Vasant Bora, Dr. Nadia Machado, Dr. Akram Ahmed – American Academy of Fixed Prosthodontics (2023)
- ***Wear of lithium disilicate opposing various restorative materials.*** - #143 Pranit Bora and Krisha Shah, Nate Lawson - Scholar Symposium: UAB-School of Dentistry (2023).
- ***Retentive strength of powder and paste form of denture adhesive: A systematic review.*** Dr. Pranit Bora, Dr. Shweta Thakkar - Indian Prosthodontic Society Gujarat, 6th State Conference (2022).
- ***Phoenix of acrylic dust – Reduce, reuse, and reinforce.*** Dr. Pranit Bora, Dr. Shweta Thakkar, Dr. Meet Shah, Dr. Adit Kumar - Indian Prosthodontic Society Gujarat, 5th State Conference (2021).
- ***Digital Solution for Abutment Angle selection.*** Dr. Pranit Bora, Dr. Shweta Thakkar - IPS Gujarat State Branch, Late Dr. S J Sanghavi Memorial award, Gujarat (2021).

Paper Presentation

- ***Novel – Contactless Impression Disinfection Device.*** – 3MT Award. 3rd International Saliva Summit of India, SALSI (2021).
- ***Clean- O- Denture*** – Kalinga Institute of Industrial Technology, Odisha, India. Incubation Centre – Sywam (2022).
- ***Photo-activated disinfection*** at the 56th Maharashtra State Dental Conference (2017).

- ***Case Report on Single Maxillary Reinforced Denture*** at 9th Student Scientific Convention at PIMS, Loni (2017).

Table Clinic

- ***Clean-O-Denture***, 22nd Indian Society of Prosthodontics, PG Convention (2020).
- ***Novel Digital Method for Shade Selection***, Gyandeeep (2020).

CDE Attended

- HIPAA Overview of Patient Rights and Provider Responsibilities, by Timothy R. Saunders, D.D.S. (4/6/2024)
- Infection Control/OSHA Bloodborne Pathogens Training, by Sanjay Chand, M.D. (4/6/2024)
- Medical Emergency Preparedness, by Jennifer McConnell, M.S.N., R.N., F.N.P.-C. (4/6/2024)
- CPR Training (Basic Life Support), by Mr. Shane Driver (7/22/2022)
- Prosthodontist Day Webinar Series, Vadodara (2022)
- Start-up Pathshala - Idea to Scalable business, Vadodara (2022)
- Prosthodontics - Masterclass - Zoom webinar (2021)
- Discovering Literature: Beyond Searching, Visnagar (2021)
- Approaches to developing drugs to inhibit SARS-CoV-2 replication - Zoom webinar (2021)
- Ethics and Integrity in Research Conduct and Dissemination – CDE, Vadodara (2021)
- Programming of articulator and balanced occlusion in the complete denture, Amargadh (2021)
- Yoga For Prevention and Rehabilitation, Webinar, Vadodara (2021)
- 23rd IPS PG Convention, Jaipur (2021)
- Endo 'Conclave 21 CDE, Vadodara (2021)
- CDE program Prosthodontics, Ahmedabad (2021)
- Prakrutrim 2021 Functional Smile Designing, Vadodara (2021)
- Program on Literature Search and Reference Writing, Zoom Webinar, Vadodara (2021)
- Prosthetic Rehabilitation of Maxillectomy Defects, 15th CDE Program, Vadodara (2020)
- Digital Advances in Dentistry - Webinar, Vadodara (2020)
- Evidence-based education system, Vadodara (2020)
- National-level faculty development program (webinar) Research: Designs, Conduct, and Misconduct, Vadodara (2020)
- BIRAC: Role in creating Startup culture, and funding opportunities, Vadodara (2020)
- Writing a research paper, Raipur (2020)
- E-PROSTHOCON – VSPM, NAGPUR (2020)
- Gyandeeep 2020: KMSDCH's 10th National Conference, Vadodara (2020)

- Prakrutim-14 - SIMPLIFIED IMPLANT PROSTHODONTICS: Indigenous i-Fix solutions, Vadodara (2019)
- 5th Annual Conference of IPS-GSB, Gandhinagar (2019)
- Pharmacovigilance Awareness Generation: Hands-on training in ADR form filling, Vadodara (2019)
- Post-Graduate Induction Program, Vadodara (2019)
- Hands-on training held by Dentium on Implant Placements (2017)
- Future Dental Professionals Program held by Colgate (2017)
- 14th Annual Post Graduate Symposium on - Emerging Trends and Challenges in Clinical Orthodontics (2016)
- Challenges in Implantology held at Rural Dental College, Loni (2016)
- Overview of Oral and Maxillofacial Surgical Procedures, Loni (2014)
- Sail to Sell – Redefining Your Dental Practice, Loni (2014)

Reviewer

- Reviewer - Enviro Dental Journal, (2021 – present).
- Reviewer - Acta Scientific Dental Sciences, (2022 - present)
- Reviewer - International Journal of Dentistry and Oral Health (IJDOH) (2024 - present)

Organizer and Volunteering

- Organizer - Prosthodontist Day Webinar Series, Vadodara (2022)
- Organizer - CDE program Prosthodontics, Ahmedabad (2021)
- Organizer - CDE program Prakrutrim 2021 functional smile designing, Vadodara (2021)
- Organizer - Gyandeeep 2020, 10th National Conference, Gujarat (2020)
- Organizer - 9th Student's Scientific Convention held at PIMS, Loni (2017)
- Organizer - Challenges in Implantology held at Rural Dental College, Loni (2016)
- Volunteer - 5th CDE Program - Perio Rejuvenation, Loni (2015)
- Volunteer - Youphoria - Zonal conference, Rural Dental College, Loni (2014)
- Winner in various drama (play) competitions held at the college level (2014-18)
- Photographer - Campus Echo- Campus Newsletter, PIMS (2013-18).
- Photographer – Campus Echo- Campus Newsletter, PIMS, (2013-18).
- University Volleyball Team Captain at various State and Inter-University tournaments (2015 - 18).