

DR. GURKARAN PREET SINGH

Current Designation: Assistant Professor, Dental and Prosthetic Services, Tata Memorial Hospital, Mumbai

PROFESSIONAL QUALIFICATION:

- **Bachelor of Dental Surgery (BDS, Manipal University)** : **First class with distinction** in Oral Medicine and Periodontia in 2007.
- **Master of Dental Surgery (MDS, Manipal University)** : **Prosthodontics and Crown & Bridge** in April 2012.
- **Fellowship (HBNI)** : **Fellowship in Dental and Prosthetic Oncology** Tata Memorial Hospital, Mumbai. August 2015 to July 2017

CLINICAL WORK EXPERIENCE:

- **SENIOR RESIDENCY** at Max Super Specialty Hospital, Mohali
- **FELLOWSHIP** in Dental and Prosthetic Oncology, TMH (August 2015 till July 2017)
- **'CHIEF RESEARCH FELLOW'** under Nomura Dental Implant Project aimed at providing implant-based dental rehabilitation for 100 head and neck cancer patients since August 2017 till November 2018.

RESEARCH WORK EXPERIENCE:

- Nomura Dental Implant Project
Clinical and Administrative Coordinator of a project aimed at dental implant-based rehabilitation of 100 head and neck cancer patients.
- Implants in Head and Neck cancer patients: An evaluation of success and survival from 2004-2019.
Role: Co-investigator - Data collection, analysis, interpretation and publication
- Project No. 1624: Factors affecting dental rehabilitation following jaw reconstruction with free-fibular graft in head and neck cancer patients.
Role: Fellowship project (Co-PI)-Recruitment, implementation, analysis & publication
- Project 1481: Evaluation of quality of life & functional outcome in patients with maxillectomy defects either restored with obturator or reconstructed.
Role: Fellowship project (Co-PI-Recruitment, implementation, analysis & publication
- Project No. 3781: Retrospective study to assess the scope to re-classify Stage II Medication-related Osteonecrosis of Jaws (MRONJ). (*ONGOING PROJECT*)
Role: Primary Investigator-Recruitment, implementation, data analysis & publication
- Project 3154: Prospective analysis of point of care saliva-based detection test based on soluble CD44 (OncAlert) in oral & oropharynx carcinoma. (*ONGOING PROJECT*)
Role: Co-investigator - Patient screening and recruitment for control arm.

- PG thesis: In Vitro Evaluation of effect of Surface Treatment of Artificial Tooth on the Adhesive Bond Strength to Commercially Available Denture Base Resin.
Role: Co-Primary Investigator-Recruitment, implementation, Data analysis & Publication.

MAJOR PROGRAMMES ATTENDED:

- Successfully completed 1-week Australia and Asia-Pacific Clinical Oncology Research Development workshop (ACORD) organized by Medical Oncology Group of Australia in September 2020.
- Attended ‘Good Clinical Practice – Advance course’ held at Tata Memorial Hospital on 11th January 2020.
- Successfully completed 1-day ACORD concept development workshop held at TMC-ACTREC on 15th September 2019.
- Organizing committee member and speaker for 1st Annual workshop on Maxillofacial Onco-prosthetics organized by Association of Dental and Prosthetic Oncology (ADPO) at Tata Memorial Hospital between 30th-31st August 2019. Conducted 4 monthly ADPO webinars and moderated 2 others in the last 18 months.
- 10th Annual Short Course in Clinical Research Methodology conducted by Clinical Research Secretariat & Department of Atomic Energy (DAE) - Clinical Trials Centre, Tata Memorial Centre, Mumbai.
- Completed a certificate course in ‘PRF, Implants, GBR/GTR’ conducted by Dr. Joseph Choukroun held at New Delhi in December 2017.
- Attended XVI Annual Conference on Evidence-Based Management of Cancers in India held at TMH in February 2018.
- Trained and certified as ‘ICH Good Clinical Practitioner for Clinical Trial Sites’ provided by Quintiles Global Learning.
- Trained in ‘Graftless solutions – Zygoma Implants’ at Nobel BiocareTM India Learning Centre, Mumbai.
- Completed Hands-on course in ‘Designing and Modeling of Orbital Prosthesis’ conducted by Dr John Beumer and UCLA team members of Foundation for Oro- Facial Rehabilitation (FFOFR) at Amrita Institute of Medical Sciences, Cochin.

AWARDS AND ACHIEVEMENTS:

- Scientific poster titled ‘Intensity-Modulated Brachytherapy in Severe Trismus: Making it happen!’ shortlisted amongst 5 best scientific posters by team of judges from UCLA School of Dentistry, at International Maxillofacial Prosthetics Outreach Program 2017 at Amrita Institute of Medical Sciences, Kochi.
- Received a proposal from Prof. K V Ramani, Centre for Management of Health Services, IIM-A, to contribute towards his forthcoming book on ‘Case studies in Head and Neck cancer’.
- Received third prize for the scientific poster titled, ‘Oral-systemic link’ presented at ‘Future Dental Professionals programme’, an IDA-Colgate CDE.

AFFILIATIONS:

- Secretary of 'Association of Dental and Prosthetic Oncology'.
- Ordinary Life Member of Indian Prosthodontic Society and Reviewer for Journal of Indian Prosthodontic Society (JIPS).
- Member of Indian Dental Association (IDA)
- Affiliate member of International Society for Maxillofacial Rehabilitation (ISMR), American Society of Clinical Oncology (ASCO), National Comprehensive Cancer Network (NCCN).

PUBLICATIONS:

- Total number published including original research papers, reviews and case reports: 18
- Number of manuscripts under consideration: 05

ANEXXURES ATTACHED

Annexure 1: Publication details

Annexure 2: Scientific papers presented and conferences attended

ANNEXURE 1: Publication details

1. Books authored

Title: Atlas of Dental and Prosthetic Oncology

Authors: Kanchan Dholam, Sandeep Gurav, Gurkaran Preet Singh*

Publisher: Bhalani publishers

Status: Under publication; in copy-editing phase

2. Publications

(A) Reviews

1. Hegde V, Singh GP, Jain P. Dynamism in anterior point of reference: a potential source of error! Int J Dent Health Sci 2017; 4(6):1459-1467.
2. Singh GP, Hegde V, Jain P. The laser revolution: An auroral glow of contemporary implant dentistry. International Journal of Applied Dental Sciences 2018; 4(2): 24-29.
3. Hegde V, Acharya SR, Singh GP. Validity of crown-to-root ratio as a prognostic tool in clinical practice. J of Evolution of Med and Dent Sci 2014; 3(74): 15589-15599.

(B) Original Research

4. Dholam KP, Singh GP, Gurav SV. Treatment of refractory medicine related osteonecrosis of jaws with piezo-surgical debridement and autologous platelet rich fibrin – feasibility study. Accepted for publication in Journal of Craniofacial surgery in 2021.
5. Dholam KP, Sharma M, Gurav SV, Singh GP. Osteoradionecrosis of the jaws: A retrospective cohort study. Accepted for publication in Journal of Cancer Research and Therapeutics in 2020.
6. Dholam KP, Singh GP, Gurav SV, Yadav PS. Factors affecting dental rehabilitation following jaw reconstruction with free-fibular graft in head and neck cancer patients. J Craniofac Surg. 2018 Nov;29(8):2070-2074.
7. Singh G, Hegde, V. Evaluation of the influence of surface treatment of artificial tooth on the adhesive bond strength to a commercially available denture base resin-in vitro. Indian Journal of Public Health Research and Development 2018;9(11):169-174.

(C) Case Reports

8. Dholam KP, Singh GP, Sathaye N, Gurav SV, Shinde A. Two piece oral facial prosthesis retained with magnets for a complex maxillary facial defect: A clinical report. Accepted for publication in Journal

of Prosthetic Dentistry in January 2021.

9. Dholam KP, Sharma MR, Gurav SV, Singh GP, Manjrekar N. Dental measures during the COVID-19 pandemic in cancer patients. *Cancer Res Stat Treat* 2020;3:429-33.
10. Dholam KP, Sharma MR, Gurav SV, Singh G, Manjrekar N. Authors' reply to Mehra et al., Gugnani et al., and Chandrashekar et al. *Cancer Res Stat Treat* 2020;3:879-81.
11. Dholam KP, Chatterjee A, Gurav SV, Singh GP. Prosthetic management of a midfacial defect - a case report. Accepted for publication in *Journal of Cancer Research and Therapeutics* in December 2020.
12. Dholam KP, Singh GP, Gurav SV, Shinde A. An alternate method of fabrication of an obturator in a patient diagnosed with Melanotic Neuroectodermal Tumor of Infancy: A Case Report. *Indian J Med Paediatr Oncol* 2019;40, Suppl S1:148-51
13. Dholam KP, Singh GP, Agarwal JP, Mahajan A. False-positive high F-18 FDG uptake caused by late-onset osteoradionecrosis in a patient with carcinoma base of tongue. *Clin Nucl Med.* 2019 May; 44(5):e345-e346.
14. Dholam KP, Singh GP, Gurav SV, Laskar SG. Intensity-modulated brachytherapy in severe trismus: Making it happen! *J Contemp Brachytherapy.* 2018 Aug;10(4):380-384.
15. Dholam KP, Singh GP, Gurav SV, Rekhi BB. Rare Late Mandibular Metastasis in Follicular Variant of Papillary Carcinoma Thyroid: 'Resurgence of the Sleeping Tumour'. *Arch Otolaryngol Rhinol.* 2017; 3(1): 001-05. DOI: 10.17352/2455-1759.000032
16. Dholam K, Singh GP, Bhirangi PS Mucostatic Impression: A Useful Alternative Inpartially Dentate Free-Fibular Reconstructed Cases. *JSM Head Neck Cancer Cases Rev* 2016; 1(1): 1001.
17. Singh GP, Sherrigar P, Hegde V, Khanna G. Prosthetic Conformer as a Pressure Device in the Prophylactic Management of Postsurgical Auricular Keloid Formation: A Clinical Report. *J Prosthodont* 2013; 22: 81–84.
18. Mehta S, Singh GP, Lodha S. Utility ties: Modified Kobayashi ties. *J Ind Orthod Soc* 2012; 46(4): 232.

ANNEXURE 2: Scientific papers presented and conferences attended

A. Scientific presentations (papers) done in Conferences:

1. Presented a paper titled 'Prospective assessment of maximum incisal opening in patients undergoing multimodal treatment for squamous cell carcinoma of oral cavity and oropharynx' at 13th Biennial Conference of International Society of Maxillofacial Rehabilitation (ISMR) and Indian Prosthodontic Society (IPS) hosted by IPS Pune branch from 05th – 14th February 2021.
2. Invited speaker at Workshop on Intra-oral Maxillofacial Prosthodontics' on 22/01/2021 organized by HSRSM Dental College, Hingoli and Association of Dental and Prosthetic Oncology (ADPO).
3. Co-presented poster titled 'Implants in Head and Neck cancer patients – A long term evaluation of success and survival' at 28th Annual Scientific Meeting of the European Association for Osseointegration from 26th-28th September 2019.
4. Presented scientific poster titled 'Intensity-Modulated Brachytherapy in Severe Trismus: Making it happen!' at International Maxillofacial Prosthetics Outreach Program by Foundation for Oral-Facial Rehabilitation at Amrita Institute of Medical Sciences, Kochi from 23rd – 25th March, 2017.
5. Presented scientific paper titled at 'Digitizing implant-based rehabilitation in mandibular reconstruction with free fibular flaps- Revolutionizing concepts for predictable results' 10th World Congress for Oral Implantology & American Academy of Implant Dentistry (AAID) Global Conference 2016 (Co-organized with 2th ICOI South-East Asia Conference) held in New Delhi from 11th-13th November, 2016.
6. Presented scientific presentation titled 'Study of factors affecting dental rehabilitation following jaw reconstruction with free-fibular graft in head and neck cancer patients' at Head and Neck disease management group (DMG) meeting at Tata Memorial Hospital, Mumbai on 13th October 2015.
7. Presented scientific poster titled, 'Oral-systemic link' presented at 'Future Dental Professionals programme', an IDA-Colgate CDE organised by Manipal College of Dental Sciences, Manipal, Manipal University on 08th December 2011
8. Presented a scientific paper titled, 'Diligent occlusal practice in the provision of implant borne prosthesis. A sine qua non for ultimate success!' at 4th International conference of Lasers and Implants held under the aegis of Indian Academy of Laser Dentistry at Bambolim, Goa from 16th to 18th September 2011
9. Presented a case series on 'Contemporary Maxillofacial Prosthetics' at Clinical club presentation at Manipal College of Dental Sciences, Manipal on June, 2011
10. Presented a table clinic titled. 'Occlusal harmony. The final destination' at 38th Indian Prosthodontic

Society conference held at Indore from 12th to 14th November 2010.

B. Conferences attended

International conferences attended

1. 13th Biennial Conference of International Society of Maxillofacial Rehabilitation (ISMR) and Indian Prosthodontic Society (IPS) hosted by IPS Pune branch from 05th – 14th February 2021.
2. International Maxillofacial Prosthetics Outreach Program by Foundation for Oral-Facial Rehabilitation at Amrita Institute of Medical Sciences, Kochi from 23rd – 25th March, 2017.
3. 10th World Congress for Oral Implantology & American Academy of Implant Dentistry (AAID) Global Conference 2016 (Co-organized with 2th ICOI South-East Asia Conference) held in New Delhi from 11th-13th November, 2016
4. India International Dental Congress, IIDC, themed ‘Holistic Restorations- with or without Implants’ held between 13th to 15th February 2015 in Mumbai.
5. 4th International conference of Lasers and Implants held under the aegis of Indian Academy of Laser Dentistry at Bambolim, Goa from 16th to 18th September 2011.

National conferences attended

1. XVI Annual Conference on Evidence-Based Management of Cancers in India held at TMH in February 2018.
2. XV Annual Conference on evidence Based Management of Cancers in India-‘From Controversy to Consensus Shaping Indian National Cancer Policy’, organised by Tata Memorial Centre, Mumbai from 24th-26th February, 2017
2. XI National Post Graduate Convention (IAOMP) held in Manipal college of Dental Sciences, Manipal from 9th to 10th July, 2011
3. 38th Indian Prosthodontic Society conference held at Indore from 12th to 14th November 2010.

Continuing Dental Professional Programmes/Seminars attended:

1. “Lasers in Pediatric Dentistry”- Wiping tears, Getting Smiles, a CDE organised by Manipal College of Dental Sciences, Manipal, Manipal University on 27th April, 2008
2. ‘Recipes for a Good Clinical Restoration’, a CDE organised by Manipal College of Dental Sciences, Manipal, Manipal University on 04th August 2009
3. ‘Occlusion Considerations in Prosthodontic Rehabilitation’ a CDE organised by Goa Prosthodontic Study Group from 18th to 19th September 2009.
4. ‘Research Methodology’, a CDE organised by Manipal College of Dental Sciences, Manipal, Manipal University on 5th October 2009

5. 'Relevance of Occlusion in Clinical Practice', a CDE organised by Manipal College of Dental Sciences, Manipal, Manipal University on 02nd March 2010
6. 'Occlusion-Hobos Approach to Partial/Complete Occlusal Rehabilitation', a CDE organised by A.B Shetty Memorial Institute Of Dental Sciences, Mangalore on 27th March, 2010
7. 'Monospeciality and Multidisciplinary Treatment Planning in Restorative Dentistry', a CDE organised at Manipal College of Dental Sciences, Manipal, Manipal University on 17th December 2010.
8. 'Implanto-dontics', a CDE organised by Manipal College of Dental Sciences, Mangalore, Manipal University on 08th August 2011
9. Towards success in Dental Journalism- pointers to publication process', a CDE organised at Manipal College of Dental Sciences, Manipal, Manipal University on 24th September 2011
10. 'Future Dental Professionals programme', an IDA-Colgate CDE organised by Manipal College of Dental Sciences, Manipal, Manipal University on 08th December 2011
11. Attended CDE on 'Total Aesthetics' on 02nd September 2012 presented by Dr. Sandesh Mayekar and Dr. Gautam Munjal: The session helped to develop in-depth learning related to the recent advances made in the field of dentistry especially with respect to composites, smile design, aesthetic dentistry and Class II malocclusion.
12. Participated in 'A day with the master: Achieve Clinical Perfection' on Zirconia Crowns & Bridges by Dr. Burzin Khan in August 2014