

**Dr Aparna I N**

**Associate Dean and Professor**

**Prosthodontics and Crown and Bridge**

**Manipal College of Dental Sciences, Manipal**

**Guest Lecture / conference presentations:**

- 2015

Performance Evaluation of a Novel Dental Implant System  
Manipal University, Manipal

- 2014

Effect of Grid Size on Fatigue Calculations of A Dental Implant at International Conference on Computational methods for Engineering and Health Sciences  
Manipal Institute of Technology, Manipal

- 2014

Comparative evaluation of stress distribution on two well acknowledged implants using finite element analysis method  
Manipal University Manipal

- 2013

Dental Implant Surfaces at 35<sup>th</sup> Asia Pacific Dental Conference  
Kuala Lumpur Malaysia

- 2012

A pit stop at the Dental Implant Surface at the 40<sup>th</sup> Indian Prosthodontic Conference  
Chennai, Tamil Nadu, India

- 2011

Esthetic Considerations in Designing a Cast Partial Denture at the 7<sup>th</sup> Annual Scientific meet of the Academy of Esthetic and Cosmetic Dentistry  
Colombo, Srilanka

- 2002

Prosthetic Rehabilitation of Patients with Palatal Defects for the Department of Speech and Hearing,

Kasturba Medical College, Manipal

**Honors and Awards:**

2014 Second Prize Triple Tools - A step towards higher compliance, Innovation Day, Manipal University, 2014.

2012 Fellowship International Congress of Oral Implantologists, International

|      |                                     |   |
|------|-------------------------------------|---|
|      |                                     | Council of Osseointegration   |
| 2007 | First Prize and 1000GBP prize money | Poster - Identification and Characterization of Salivary proteins on Titanium abutments on an in vivo model—20 <sup>th</sup> Anniversary Congress of Dental Implantology at Birmingham, United Kingdom. |
| 2007 | Travel Fellowship                   | Council of Scientific and Industrial Research   |
| 2004 | Second Prize                        | National Level Essay Competition - Role of Drugs in the Management of Periodontal disease – Conducted by the Indian Society of Periodontology.  |

## **Research :**

### **On going Phd research work**

- Performance evaluation of a novel dental implant using Finite element analysis

### **Completed**

- Comparative study of a chlorine based disinfectant on wettability of three different types of Elastomeric Impression materials
- An in vitro study to compare the effect of a Non- Aldehyde disinfectant solution ( Perform) on Flexural and Impact strengths of two commercially available denture base materials
- Comparative study of Tensile bond strength of commercially available temporary soft liners to different types of denture base liners
- Effect of Time and Disinfection on dimensional stability of three commonly available elastomeric impression materials
- Quantification of residual monomer in commonly used heat cure denture base resins using high performance liquid Chromatography
- Influence of denture cleansers on color stability of acrylic teeth
- A comparative evaluation of surface detail changes and compressive strength of gypsum casts and dies after immersion in hypochlorite solution and microwave irradiation.

- Comparison of micro hardness of three different types of acrylic artificial denture teeth.
- Effect of frequency and amplitude of vibration and role of surfactant on void formation in dies poured from polyvinyl siloxane impression materials.
- An evaluation of the position of Neutral zone in relation to the crest of the mandibular residual alveolar ridge

### **Publications :**

1. Ahmad M1, Balakrishnan D, **Narayan IA** . A comparative evaluation of linear dimensional accuracy of the dies obtained using three conceptually different die systems in the fabrication of implant prosthesis: An in vitro study. IJDR 2014; 25(2): 197-203.
2. Manawar Ahmad, B. Dhanasekar, **I.N. Aparna**, Hina Naim. Spring-loaded custom tray: an alternative technique for recording impressions in a patient with a restricted mouth opening, March/April 2014 General Dentistry. Online access.
3. Shelly Goyal, Mukesh K Goyal, Dhanasekar Balkrishnan, Veena Hegde, **Aparna I Narayana**. The posterior palatal seal: Its rationale and importance: An overview. Eur J of Prosthodontics 2014; 2: 41- 47.
4. Dhanasekar B, **Aparna IN**, Neha Mall, Amit Garg. Occlusion in Implant Dentistry- Issues and Considerations .JOHCD 2012;6: 91-96.
5. Mathai JR, Sholapurkar AA, **Raghu A**, Shenoy RP, Mallya HM, Pai KM, D'Souza. Comparison of the efficacy of sodium hypochlorite with sodium perborate in removal of stains from heat cured clear acrylic resin. N Y State Dent J 2011;77:48-53.
6. **Aparna IN**, Dhanasekar B, Subraya G, Abhay T, Lingeshwar D, Puneeth H. Ridge Splitting with Immediate Implant placement- A case report. Indian J Stomatol 2011; 2:126-129.
7. **Aparna IN**, Dhanasekar B, Lokendra Gupta, Lingeshwar D. Medial mandibular flexure-A review of concepts and consequences- publication in International Journal of Oral Implantology and Clinical Research May-August 2011;2(2):67-71.
8. Jain DC, Hegde V, **Aparna IN**, Dhanasekar B. Overdenture with access post system: A clinical report. IJDR 2011; 22:359-61.
9. Kumar U, Vij H, Vij R, Kharbanda J, **Aparna I**, Radhakrishnan R. Dentinogenic ghost cell tumor of the peripheral variant mimicking epulis. 2010;2010: 519- 525.

10. Deepti CJ, Veena H, **Aparna IN**, Dhanasekar B. Occular prosthesis- An Esthetic Vision. *J Nepal Dent Assoc* 2010;11:101-106.
11. Lingeshwar D, **Aparna IN**, Dhanasekar B. Diagnostic Imaging in Implant Dentistry- A review, *IJIOCR* 2010;1:147-153.
12. Manav Kalra, **Aparna IN**, Dhanasekar B. Re-establishing occlusal harmony in processed complete dentures, *Indian Dentist Research & Review* August 2010;4:26-32 .
13. Kulashekar N Reddy, Veena Hegde, **IN Aparna**, B Dhanasekar. Incorporating modified ovate pontic design for anterior tooth replacement: A report of two cases, *Journal of Indian Prosthodontic Society* 2009; 9 (2); 100-10.
14. Manav Kalra, **Aparna IN**, Dhanasekar B. Re-establishing occlusal harmony in processed complete dentures, *Indian Dentist Research & Review* 2010;4:26-32 .
15. Chandra TS, Sholapurkar A, Joseph RM, **Aparna IN**, Pai KM. Prosthetic Rehabilitation of a complete bilateral maxillectomy patient using a simple magnetically hollow obturator- A case report. *J Contemp Dent Pract* 2008; 9: 70-76.
16. **Aparna R**, Muruganandandhan J, Raghu AR. Role of Prosthodontist in Forensic Dentistry. *JFO* 2008; 1(1): 20 – 22
17. Mukesh Kumar Goyal, Manawar Ahmed, Veena Hegde, Dhanasekar, **Aparna IN**. Dentogenic Restorations: An Esthetic Value-A Review. *Kerala Dental Journal*, 2008; 31:19-23.
18. Mukesh Kumar Goyal, Veena Hegde, Dhanasekar, **Aparna IN**. Dentogenic Concepts-An Art and Science-A Review. *Indian Dental Research*. July 2008; 1: 73-76.
19. Parithimarkalaignan S, Veena Hegde, **Aparna IN**. Modern trends in extra oral maxillofacial prosthesis -A review. *J Pak Dent Assoc*. 2007;16(2):103-9.
20. Parithimarkalaignan S, Veena Hegde, **Aparna IN**, Dhanasekar B. Conventional and advanced techniques in prosthodontic preservation and surgical management of residual alveolar ridge-A review. *Pak Oral and Dental Journal*. 2007;27(2):271-276.
21. **Aparna IN**, Ronnie George, Veena Hegde, Jagadish, Sugandhi Rao, Sreekumaran Nair, Mariette D'Souza. Quantitative and qualitative effect of chlorhexidine gluconate, Listerine and Betadine mouthwashes during crown preparation using a high turbine handpiece. *Kerala Dental Journal* 2004; 1:6-10.