

## Patron

**Prof Tariq Mansoor**  
Vice Chancellor,  
Aligarh Muslim University, India

## Co-Patron

**Prof Rakesh Bhargava**  
Dean, Faculty of Medicine,  
Aligarh Muslim University, India

## Co-Patron

**Prof R K Tewari**  
Principal, Dr. Ziauddin Ahmad Dental College,  
Aligarh Muslim University, India

## Local Coordinator- GIAN

**Prof M J Warsi**  
Chairperson, Department of Linguistics,  
Aligarh Muslim University, India

## Course Co-coordinator

**Dr Geeta Rajput**  
Professor, Department of Prosthodontics,  
**Dr Sajjad Abdur Rahman**  
Associate Professor,  
Department of Oral and Maxillofacial surgery,  
Dr. Ziauddin Ahmad Dental College,  
Aligarh Muslim University, India



सत्यमेव जयते  
Ministry of Education  
Government of India



Aligarh Muslim University

A five day **GIAN** course on

GLOBAL INITIATIVE OF ACADEMIC NETWORKS

## Orofacial pain: Mechanism, diagnosis and management

GIAN194025H06

March 21<sup>st</sup> to March 25<sup>th</sup>, 2022

**ONLINE**

**Call for registration and participation**

## Course Coordinator

**Prof Shaista Afroz**  
Chairperson, Department of Prosthodontics,  
Dr. Ziauddin Ahmad Dental College  
Aligarh Muslim University, India

**Organized by**

**Department of Prosthodontics and Dental material,  
Dr. Ziauddin Ahmad Dental College  
Aligarh Muslim University, Aligarh, India-202002**

## About International faculty

**Prof Yoshizo Matsuka's** research is focused on oral function, neurotransmitter release from sensory ganglia and clinical epidemiology of prosthodontics. He has completed his D.D.S. and Ph.D. from Okayama University, Japan. He was a resident at Diagnostic Sciences and Orofacial Pain, University of California Los Angeles (UCLA), School of Dentistry. He has also served as staff research associate, Oral Biology & Medicine, UCLA School of Dentistry. He was assistant professor at Oral Biology & Medicine, UCLA School of Dentistry. He was Associate Professor at Oral Rehabilitation and Regenerative Medicine, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences. He is an active member of some prestigious International Scientific Organizations: International Association for Dental Research, Society for Neuroscience, International Association for the Study of Pain, International College of Prosthodontics. He has contributed in 184 original articles, 9 review articles, 2 case reports, 49 books and chapters, 473 abstracts and delivered 139 invited lectures.



**Yoshizo Matsuka,**  
Professor and chair,  
Department of Stomatognathic  
Function and Occlusal  
Reconstruction, Graduate School  
of Biomedical Sciences,  
Tokushima University, Japan

## Other faculty members



**Dr Islamy Rahma Hutami,**  
DDS,PhD , Assistant  
Professor, Chief of Research  
division, Dental faculty Sultan  
Agung Islamic University,  
Semarang,  
Indonesia



**Prof Geeta Rajput,**  
Prosthodontics,  
Z A Dental college,  
Aligarh Muslim University,  
India



**Prof Hamad Usmani,**  
Dept of Anesthesiology,  
Faculty of Medicine  
Aligarh Muslim University,  
India



**Dr Sajjad Abdur Rahman,**  
Associate Professor,  
Oral and maxillofacial  
surgery, Z A Dental college,  
Aligarh Muslim University,  
India



**Dr Mehdi Hayat,**  
Assistant Professor,  
Interdisciplinary Brain  
research Centre ,  
Aligarh Muslim University,  
India



**Dr Jameel Ahmad,**  
Assistant Professor,  
Dept of Pharmacology,  
Faculty of Medicine,  
Aligarh Muslim University,  
India



**Dr Dalia Rafat,**  
Assistant Professor,  
Obstetrics and Gynaecology  
Faculty of Medicine,  
Aligarh Muslim University,  
India



**Dr. Aftab Ahmed**  
Assistant Professor  
OTO-Rhino-Laryngology  
Faculty of Medicine,,  
Aligarh Muslim University,  
India

## Course overview

Orofacial pain (OFP) is responsible for a large number of morbidities across the world. With a prevalence of 26% in general population, OFP is a public health concern. Chronic orofacial pain is more distressing and affects the quality of life of those who are suffering. Broadly, it may be divided into odontogenic or non-odontogenic in origin including neuropathic pain, vascular intracranial pain, primary headache, musculoskeletal disorders and OFP related to various systemic causes. Due to vicinity of many important structures and intricate anatomy, OFP is complex and multifaceted. This complexity and multidimensional nature of OFP has made its prevention, diagnosis, and management challenging. It requires exhaustive understanding, and training to develop skill. Pain management includes nonsteroidal anti-inflammatory drugs, antidepressants, anticonvulsants, soft diet, restriction in tooth clenching habit, physical therapy, occlusal splints and temporomandibular joint injection, etc. Centrally acting drugs are occasionally used for the management; however, patient compliance is poor because of the severe side effects of these drugs. The dentists are often the first to receive the patients with OFP complaint, and have an important part in the prevention, diagnosis and management of OFP. Often treatment of OFP involves multidisciplinary approach, therefore understanding the need for referral is also important. In this lecture series the participants will be taught about the peripheral and central mechanism of OFP, validated and reliable methods to diagnose and manage it. Additionally, the participants will also be exposed to basic science and clinical research methodology to understand how to conduct research to improve the understanding of OFP mechanism and management methods.

## Who can attend

Dental/Medical professionals and researchers engaged in Orofacial pain management and research. Students at all levels (Bachelors/ Masters/ Doctoral) from dental, medical, neuroscience and pain group, faculty from academic institutions.

## How to Register

### Step 1: One-time GIAN Registration to get access to all GIAN courses:

Please visit <http://www.gian.iitkgp.ac.in/GREGN/> and register by paying Rs. 500/- (those who have already registered, need not do it again). After that, register for the course titled "**Orofacial pain: Mechanism, diagnosis and management** GIAN194025H06" from the drop-down menu of course registration.

### Step 2: The course fee for attending the course is as follows:

#### Foreign delegates:

Faculty members and professionals: US\$ 100

Students all level: US\$ 50

#### Indian nationals:

Faculty members and professionals: Rs 1000

Students all level : Rs 500

The above fee includes all instructional materials (soft copy only). Minimum 90% attendance and completion of daily online feed back form is necessary to be eligible for e-certificate.

#### Bank Account Details:

Account Name: GIAN

Account No: 110033769762

Bank Name: Canara Bank AMU Branch, Aligarh, Uttar Pradesh, India,202002

IFSC Code: CNRB0005247

### Step 3: Registration link: <https://forms.gle/nJm4HHstfQmMFgmy7>

Link for the course will be provided to the participants.

### For queries related to course please contact:

Mobile number: +91-9415795786; +91-8265894741

E-mail: [shaista.pv@amu.ac.in](mailto:shaista.pv@amu.ac.in); [shaista\\_afroz@yahoo.com](mailto:shaista_afroz@yahoo.com); [sajjadar1979@gmail.com](mailto:sajjadar1979@gmail.com)

## **About GIAN course**

The Ministry of Education formerly known as Ministry of Human Resource Development, Government of India has launched a program titled- Global Initiative of Academic Networks (GIAN) in Higher Education with the aim to talent pool of scientists and entrepreneurs, internationally to encourage their engagement with the institutes of Higher Education in India so as to augment the country's existing academic resources, accelerate the pace of quality reform, and elevate India's scientific and technological capacity to global excellence. GIAN program facilitates participation of high quality international academicians/researchers for delivering short-term courses and programs in Indian institutions.

## **About Aligarh Muslim University**

Aligarh Muslim University (AMU) occupies a unique position amongst universities and institutions of higher learning in the country. It was established in 1920, and evolved out of the Mohammedan Anglo-Oriental College (MAO College) which was set up in 1875 by the great visionary and social reformer, Sir Syed Ahmad Khan. Aligarh Muslim University offers more than 300 courses in the traditional and modern branches of education. It draws students from all states in India and from different countries, especially Africa, West Asia and Southeast Asia. In some courses, seats are reserved for students from SAARC and Commonwealth. It has more than 39,367, students, 1,678 academic staff and 5,610 non-teaching staff on its rolls. The university now has 13 faculties comprising 117 teaching departments, 3 academies and 21 centers and institution.

## **About Dr. Ziauddin Ahmad Dental College**

Dr ZA Dental college was established in the year 1996. Presently college is running (four plus one year) undergraduate course, Bachelor of dental surgery with an annual intake of forty students, and post graduate course, Master of dental surgery, in six dental specialties. Additionally, there are two diploma courses of two years duration for learning dental mechanics and dental hygiene. All the courses are recognized by the Dental council of India. Entry to all the courses is through national level entrance examination.

## **About Department of Prosthodontics and Dental material**

The department of Prosthodontics was started in the year 1996. The department is engaged in teaching and training of Bachelor of Dental surgery, Master of Dental surgery and Diploma in Dental mechanics courses. The pre-clinical prosthodontics training for undergraduate students starts from first professional year and continue till the final year. Third and final year students are trained under the guidance of teachers in treating patients with different prosthodontic treatment needs. The masters program imparts specialized clinical, academic and research skill to budding prosthodontists. The prosthodontic clinic provides rehabilitative treatment to the patients from within and around the peripheral area of the city Aligarh. The average present department OPD is more than 1000 per month

## **Lecture schedule**

**21<sup>st</sup> March 2022**

**11:00 to 15:00 Indian Standard time (IST)**

**Theme: Understanding the multi-faceted nature of intraoral and orofacial pain (OFP)**

Lecture 1: Introduction of orofacial pain  
Lecture 2: Understanding the brain centers modulating pain transmission  
Lecture 3: Basic mechanism of OFP  
Lecture 4: Theories of pain  
Lecture 5: OFP as a public health problem and as an obstacle to optimal dental health care

**22<sup>nd</sup> March 2022**

**11:00 to 15:00 IST**

**Theme: Intraoral and OFP assessment**

Lecture 1: Clinical examination of the orofacial region  
Lecture 2: Examinations of OFP patients: case study  
Lecture 3: OFP as a referred pain: orofacial pattern of pain referral and pain from distant areas referred to the orofacial region  
Lecture 4: Introduction of Diagnostic criteria for temporomandibular disorder  
Lecture 5: Trigeminal neuralgia: differential diagnosis and challenges in management

**23<sup>rd</sup> March 2022**

**11:00 to 15:00 IST**

**Theme: Diagnosis based on history and examination**

Lecture 1: Diagnosis of acute and chronic OFP condition and case study  
Lecture 2: TMJ rheumatoid arthritis and osteoarthritis: manifestation and pathogenesis  
Lecture 3: Occlusion and OFP. Diagnosis and management of occlusal dysesthesia  
Lecture 4: Female predilection of pain: are hormones responsible for physical and psychological perception of pain?

**24<sup>th</sup> March 2022**

**11:00 to 15:00 IST**

**Theme: Management of OFP**

Lecture 1: Management of OFP  
Lecture 2: Use of various stents and splints for painful TMD's  
Lecture 3: Management of OFP patients: case study  
Lecture 4: Nerve block for OFP management including radiofrequency techniques and neuromodulation  
Lecture 5: Measurement, quantification, and recording of pain

**25<sup>th</sup> March 2022**

**09:00 to 13:00 IST**

**Theme: Evidence-based learning: OFP research**

Lecture 1: How to conduct research to learn OFP mechanism  
Lecture 2: Translational research in understanding pain mechanism  
Lecture 3: Chemical transmitters and non-neural mechanism in pain control  
Interaction with expert and discussion on future collaboration