**Dental Anatomy**

The missions of Dental Anatomy are educating individuals who are going to be dentists; creating systems for basic, clinical and research studies in the dental, medical care and life sciences fields; fostering the development of sophisticated experts in dental research fields; and providing dental knowledge of the teeth, the jaw and the mouth and making contributions towards society and humanity through these efforts. We execute practical course to make students understand ethics as dental students to be bright future dentist.

#### DESCRIPTION

Dental Anatomy is a foundation course in dentistry which is taught during the first year. The course consists of four components including

1. Oral Histology
2. Oral Anatomy
3. Oral Physiology and
4. Tooth Morphology

Dental anatomy includes the study of development, structure and function of oral cavity (mouth). The course begins with an introduction to the structure and development of teeth. This will be followed by detailed study of the tooth and supporting structures of the tooth. Also included in the course are study of the related oral tissues (Oral Mucosa, Salivary Glands & Temporomandibular Joint) and relevant physiology of oral cavity. There are two lectures scheduled every week on the subject and each lecture is followed by a practical session.

The department collaborates with other clinical and basic department of Dental Science of Health to coordinate the school’s preclinical problem-based learning courses. With increased emphasis on active learning, faculty is challenged to develop innovative ways to present increasing amounts of information.

**Lectures & Courses**

1 .Morphology of tooth

2. Research advancement in dentistry

3. Diagnosis and treatment in of dentistry

4. Anatomy of face and oral cavity

5. Structural features of mandibular condylar cartilage

6. Mechanism of epithelial attachment of junctional epithelium in human gingiva

7. Comparative histology and embryology of teeth

8. Observation on the structural features of oral mucous

9. Anatomical names of the structures of human skeletal system

10. Development and synthesis of tooth germ

11. Studies on regeneration of jaw bone

12. Structural features of dental pulp and extracellular matrix

**Research and Practical Work**

1. The viewpoints of gross Dental anatomy with clinical consideration.

2. We execute lectures of systematic anatomy

3. Topographic anatomy (craniofacial anatomy).

4. To understand three-dimensional structures of human orofacial structure.

5. We execute practical course to make students understand ethics as dental students to be bright future dentist.

6. The main structures that are found in and around the oral cavity comprise the lips, cheeks, tongue, hard palate, soft palate, teeth, gums, salivary glands and the upper and inferior jaws.

7. Maintaining the teeth in a state of health is of utmost importance for whole digestion and nutrition. The chewing process, but they also affect our Speech and look.

8. The conference is looking forward to discuss innovative exploration in dental anatomy and physiology.

### Recent Performance

1. [Kamrun N](http://www.ncbi.nlm.nih.gov/pubmed?term=Kamrun%20N%5BAuthor%5D&cauthor=true&cauthor_uid=23522648)ahar, [Akemi Tetsumura](http://www.oooojournal.net/article/S2212-4403(13)00007-2/abstract), Tohru [Kurabayashi, et al.](http://www.ncbi.nlm.nih.gov/pubmed?term=Kurabayashi%20T%5BAuthor%5D&cauthor=true&cauthor_uid=23522648) *Visualization of the superior and inferior borders of the mandibular canal: a comparative study using digital panoramic radiographs and cross-sectional computed tomography images.* [*Oral Surg Oral Med Oral Pathol Oral Radiol.*](http://www.ncbi.nlm.nih.gov/pubmed/23522648) 2013, *115 (4)*, 550-557.

2.[Kamrun N](http://www.ncbi.nlm.nih.gov/pubmed?term=Kamrun%20N%5BAuthor%5D&cauthor=true&cauthor_uid=23522648)ahar, Atsushi Kaida and Masahiko Miura*Effect on ChK1 inhibition on the temporal duration of radiation –induced G2 arrest in Hela cells. Journal of Radiation Research* 2014 Sep; 55(5):1021-7.

3.[Kamrun N](http://www.ncbi.nlm.nih.gov/pubmed?term=Kamrun%20N%5BAuthor%5D&cauthor=true&cauthor_uid=23522648)ahar, [Akemi Tetsumura](http://www.oooojournal.net/article/S2212-4403(13)00007-2/abstract), Tohru [Kurabayashi, et al.](http://www.ncbi.nlm.nih.gov/pubmed?term=Kurabayashi%20T%5BAuthor%5D&cauthor=true&cauthor_uid=23522648) *The clinical efficacy of the superior border of the mandibular canal and to avoid nerve damage when installing endosseous implants: comparison between panoramic radiographs and computed tomography. Rangpur Dental College Journal* 2014, vol.2, no 2; 3-8.

4.M. Razwana B. M.**,** Kamrunnaharand M. A. K. Azadet al. *Antibacterial Activity of Bohera (Terminalia bellirica) Extract against Dental Carries Causing Bacteria Streptococcus mutans. Journal of Environmental Science and Natural Science & natural Resources*,2018, Vol.10, No.2.

**5.** Kamrun nahar et al. *Preface of Tumor Hypoxia at a glimpse.* Journal of Rangpur Dental College Journal 2018, Vol.6, No.2.

**Educational Goals**

1. Broad perspectives and ethical principles.
2. Capable of discovering problems and solving them.
3. Outstanding communication skills.
4. Capable of maintaining a lifelong interest in the latest dental developments.
5. Capable of carrying out evidence-based medicine.
6. To view oral diseases in terms of the oral cavity.
7. Contribute to the promotion of health and the prevention of disease.