



Al-Badar Educational & Charitable Trust's
AL-BADAR RURAL DENTAL COLLEGE & HOSPITAL, KALABURAGI

Affiliated to Rajiv Gandhi University of Health Sciences Bangalore &
Recognized by Dental Council of India (New Delhi)

LESSON PLAN

Class: I BDS

Time: 1hr

Topic

Introduction, dental anthropology and comparative dental anatomy

General objectives: At the end of the class the learners will be able to:

Overview of dentition

Specific learning objectives: At the end of the class the learners will be able to:

Recall: The dental anthropology

The comparative dental anatomy

Interpret: Comparative dental anatomy

Lesson outline:

Overview of dentition

The dental anthropology

The comparative dental anatomy

Teaching learning methods/media:

Team teaching

ICT based lecture

Juven
Staff Incharge

S. S. S.
PRINCIPAL
Al-Badar Rural Dental College
& Hospital, KALABURAGI

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Dept. of Oral Pathology
& Microbiology
ARDCH, KALABURAGI

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LESSON PLAN

Class: 4th Year BDS

Time: 1 hour

TOPIC: PROCESSING OF X-RAY FILMS & DEMO OF IOPA TECHNIQUE

LEARNING OBJECTIVES:

At the end of the discussion the students should be able to

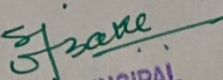
Recall:

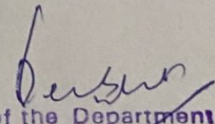
- i. IOPA technique Demonstration
- ii. Composition and action of developer solution
- iii. Series of events in processing
- iv. Dark room layout, safe light

DISCUSSION OUTLINE

- Introduction to Processing
- Composition and function of Developer & Fixer solutions
- Factors that effect processing & dark room layout
- IOPA technique Demonstration
- Conclusion

T - L METHOD/MEDIA : Group Discussion & Demonstration


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Head of the Department
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LESSON PLAN

Class: 4th Year BDS

Time: 1 hour

TOPIC: APHTOUS ULCERS

GENERAL OBJECTIVES :

At the end of the discussion the students should be able to:

Diagnose aphtous ulcers clinically

SPECIFIC LEARNING OBJECTIVES:

At the end of the discussion the students should be able to

Recall : Three different clinical variants of aphtous ulcer

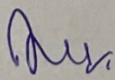
Understand : Etiopathogenesis , clinical features and differential diagnosis of similar lesions

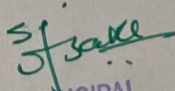
Interpret: recent trends in management of recurrent aphtous stomatitis

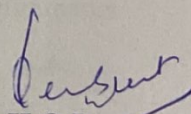
LESSON OUTLINE

- Introduction
- Classification of Oral ulcerative lesions
- Recurrent Aphthous Stomatitis (RAS)
 - Etiopathogenesis
 - Clinical Features
 - Diagnosis & Investigations
 - Management
- Conclusion

Teaching - Learning method/media : Team teaching
Group discussion


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LESSON PLAN

Class: I BDS

Total No. of hours: 175

Topic : Practical - Carving of wax blocks

General Objectives: At the end of the class, learners will be able to:
Learn the morphology of individual tooth.

Specific learning objectives: At the end of the class, the learners should be able to:

Interpret: Identify the tooth

Lesson outline:

Basic carving

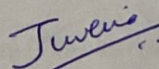
- Cube
- Cuboid
- Cylinder
- Cone
- Pyramid
- Dumbbell

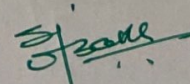
Tooth carving

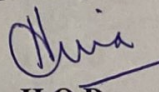
- Maxillary central incisor
- Mandibular central incisor
- Maxillary lateral incisor
- Mandibular lateral incisor
- Maxillary canine
- Mandibular canine
- Maxillary 1st premolar
- Mandibular 1st premolar
- Maxillary 2nd premolar
- Mandibular 2nd premolar
- Maxillary 1st molar
- Mandibular 1st molar
- Maxillary 2nd molar
- Mandibular 2nd molar

Demonstration of preparation of ground section

Teaching learning method/ media: Demonstration of tooth carving, Assignments


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LESSON PLAN

Class: I BDS

Total No. of hours: 10

Topic: Practical- Identification of individual tooth

General Objectives: At the end of the class, learners will be able to:

Learn the morphology of individual tooth.

Specific learning objectives: At the end of the class, the learners should be able to:

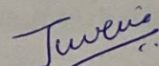
Interpret: Identify the tooth

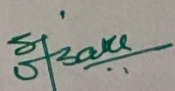
Lesson outline:

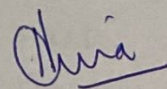
specimens

- Deciduous teeth
- Maxillary central incisor
- Mandibular central incisor
- Maxillary lateral incisor
- Mandibular lateral incisor
- Maxillary canine
- Mandibular canine
- Maxillary 1st premolar
- Mandibular 1st premolar
- Maxillary 2nd premolar
- Mandibular 2nd premolar
- Maxillary 1st molar
- Mandibular 1st molar
- Maxillary 2nd molar
- Mandibular 2nd molar

Teaching learning method/ media: Identification of tooth specimens


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LESSON PLAN

Class: I BDS

Total No. of hours: 15

Topic: Practical- Identification of caste and study models

General Objectives: At the end of the class, learners will be able to:

Identify the caste.

Specific learning objectives: At the end of the class, the learners should be able to:

Interpret: Identify the caste and model

Lesson outline:

Caste

- Primary dentition
- Permanent dentition
- Mixed dentition

Tooth models

- Permanent teeth of both arch

Cross section and transverse section of maxilla and mandible with teeth

Teaching learning method/ media: Identification of tooth model and caste

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LESSON PLAN

Class: I BDS

Total No. of hours: 50

Topic: Practical- Identification of the histological slides

General Objectives: At the end of the class, learners will be able to:

Identify the histological slides and draw the diagrams.

Specific learning objectives: At the end of the class, the learners should be able to:

Interpret: Histological features in the given slide under the microscope.

Lesson outline:

- Haematoxylin and eosin stain
- Plasma cells and lymphocytes
- Giant cells
- Bud stage of tooth development
- Cap stage of tooth development
- Early bell stage of tooth development
- Late bell stage of tooth development (root formation)
- Enamel rods
- Hunter schreger bands
- Tufts, lamellae, spindles
- Incremental lines of retzius
- Neonatal lines
- Gnarled enamel
- Dentinoenamel junction
- Dentinal tubules
- Incremental lines of von ebner
- Contour lines of owen
- Neonatal lines
- Tome's granular layer
- Interglobular dentin
- Intraglobular dentin
- Secondary dentin
- Intertubular dentin
- Dead tracts
- Tertiary dentin
- Sclerotic dentin
- Cellular cementum
- Acellular cementum

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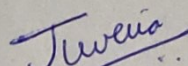
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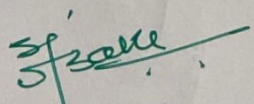
- Cementoenamel junction
- Type I overlapping
- Type II butt
- Type III gap
- Sharpey's fibers
- Hypercementosis
- Zones of pulp
- Pulp stones
- Principle fibers of PDL
- Haversian system
- Trabeculated bone
- Mature and immature bone
- Mucous salivary gland
- Serous salivary gland
- Mixed salivary gland
- Maxillary sinus lining
- Parakeratinized epithelium
- Orthokeratinized epithelium
- Palate (antero lateral zone)
- Palate (postero lateral zone)
- Alveolar mucosa
- Vermillion border of lip
- Tongue – circumvallate papillae
- Tongue – fungiform papillae
- Tongue – filiform papillae
- Dentogingival junction
- Skin
- Histological sections of TMJ

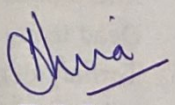
Decalcification, paraffin section and H & E staining

Teaching learning method/ media: Team teaching, Group discussions, Assignments

Microscopic slides, Hand outs, LCD screen


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