

RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES

Fellowship programme in Cleft Lip & Palate Surgery

Examination – February 2011

[Time : 3 Hours]

[Max. Marks: 100]

CLEFT LIP & PALATE SURGERY

Answer section A, B, C & D Separately in the in the same answer booklet

Section - A (Embryological basis, Etiology & Classification)

SHORT ESSAY

1. Describe the contribution of the Fronto-Nasal process in the development of upper Lip
2. Role of Folic acid in Cleft Lip deformity
3. Genetic factors in Cleft Lip deformity
4. Pathogenesis of Pierre Robin Sequence
5. Kernahan's classification of Cleft deformities

Section - B (Protocols in Management of Cleft Lip & Palate Surgery)

SHORT ESSAY

1. Rationale for pre-surgical Orthopedics
2. Timing of Cleft Lip Surgery
3. Nutritional counseling for Cleft Palate patients
4. Protocol for evaluation of speech and velo-pharyngeal competence post palatoplasty
5. Growth intervention orthodontics

Section - C (Surgical Techniques in the Management of Cleft Lip & Palate)

SHORT ESSAY

1. Tennison - Randell Cleft Lip repair
2. Boyne's technique of alveolar bone grafting
3. Hogern's pharyngoplasty
4. Segmental distraction in the cleft maxilla
5. Secondary columellar lengthening surgery – Bilateral cleft lip

Section - D (Outcome Measures and Management of Complication)

SHORT ESSAY

1. GOSLON yardstick for assessment of growth
2. Outcome measurement of Naso-alveolar molding
3. Management of palatal fistula
4. Indication for le-fort I distraction in the Cleft Maxilla
5. The EUROCLEFT study

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Section - A (Embryological basis, Etiology & Classification)

SHORT ESSAY

1. Role of tongue in the formation of the Palate
2. Role of anemia in causation of Cleft deformities
3. Genetic mutations in isolated Cleft Palate
4. Veau's Classification of Clefts
5. Discuss development of the normal pre-maxilla or primary palate

Section - B (Protocols in Management of Cleft Lip & Palate Surgery)

SHORT ESSAY

1. Grayson's technique of Naso-alveolar molding
2. Growth monitoring in the cleft child
3. Timing of cleft palate surgery
4. Discuss the advantages & disadvantages of delayed hard palate closure
5. Orthodontic protocols for alveolar bone grafting

Section - C (Surgical Techniques in the Management of Cleft Lip & Palate)

SHORT ESSAY

1. Millard's cleft lip repair
2. Sommerled's Radical muscle dissection
3. Hynes Pharyngoplasty
4. Technique of Le-fort I Osteotomy in the cleft maxilla
5. Unilateral Lip revision

Section - D (Out come Measures and Management of Complication)

SHORT ESSAY

1. Assessment of successful alveolar bone grafting
2. Speech assessment after palatoplasty
3. Outcome comparison between single stage and two stage (Delayed hard palate closure) Palatoplasty
4. Compare Le-fort I osteotomy vs distraction (Le-fort I) in the Cleft maxilla
5. Outcome measures of bilateral cleft Lip surgery

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Section - A (Embryological basis, Etiology & Classification)

SHORT ESSAY

1. Describe normal development of upper lip
2. Environmental factors in the concept of cleft lip and palate
3. Discuss normal anatomy of the soft palate
4. Delairs functional theory in repair of cleft lip
5. Describe the rationale of Gingivo – Periosteoplasty (GPP)

Section - B (Protocols in Management of Cleft Lip & Palate Surgery)

SHORT ESSAY

1. Airway management – Pierre Robin sequence
2. Respiratory infections in the cleft palate child
3. Timing of alveolar bone grafting
4. Normal speech and language development process
5. Decision making in Velo-pharyngeal dysfunction (VPD)

Section - C (Surgical Techniques in the Management of Cleft Lip & Palate)

SHORT ESSAY

1. Berdech palatoplasty
2. Mulliken's technique of biolateral cleft lip repair
3. Tongue flap for palate fistula closure
4. Buccal myomucosal flap – primary palate surgery
5. Delaire's unilateral cleft lip repair

Section - D (Out come Measures and Management of Complication)

SHORT ESSAY

1. Outcome measures after unilateral cleft lip surgery
2. Prevention of cleft lip and palate
3. Management of the absent pre-maxilla in the adult treated cleft palate patient
4. Role of lip adhesion in cleft lip surgery
5. Discuss the optimal haemoglobin levels of cleft lip and palate surgery.
