

الخطه الدراسيه :

مواضيع وعدد المحاضرات الجزء النظري :

Topics	Objectives
Rationale of orthodontic treatment	<p>This course covers introductory topics in malocclusion, orthodontic diagnosis, treatment plans and tooth decay. This course may also introduce students to restricted orthodontic procedures or pre-clinical processes. General orthodontic applications and techniques are covered in this introductory course.</p> <p>This course is a companion to clinical training in orthodontics and involves faculty and student evaluations of historically significant orthodontic literature. The students are also exposed to the historical development of orthodontics, additional treatment philosophies and relevant new developments in treatment. Current concepts regarding development, as well as diagnostic and therapeutic in</p>
Craniofacial Growth	.This course provides an overview of the events of human growth and the analytic approaches used to study growth, particularly from birth to adulthood. Discussions center around the nature of growth, mechanisms of growth, general body development, and genetic and environmental influences on growth. Emphasis is given to the head and neck region. Topics in growth malformations and dysplasias are presented. The etiology, presentation, differential diagnosis, and orthodontic treatment of comparatively common pharyngeal arch syndromes and sequences are described, with extended discussion of cleft
Management of the Developing dentition 1	<p>this course will provide an overview about :</p> <ol style="list-style-type: none"> 1. Normal and abnormal development of the dentition from birth to adulthood. 2. Abnormalities in number, size, form, and position of the teeth. 3. Genetic and environmental factors relevant to the development of the dentition. 4. Orthodontic consequences of abnormalities of the dentition. 5. The impact of interceptive orthodontic measures.
The aetiology of malocclusion	To understand the various etiological factors including genetic and environmental factors and how to prevent the development of malocclusion
The classification of malocclusion	Describe different classification including Angle , British classification and to understand the variation with clinical application
Orthodontic assessment (Diagnosis)	Describe the clinical assessment and diagnosis of malocclusion, Collect, interpret and analyses clinical records pertinent to clinical diagnosis, Recognize the importance of systematic and thorough diagnosis, Recognize the need for the explanation of patient malocclusion. Identify patients' expectations, Explain information to patients relevant to the delivery of treatment, Describe the way in

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	which the treatment delivers the objectives
Cephalometrics	
The cellular basis of tooth movement and anchorage	<p>The aim of this course is to Describe the range of materials used in orthodontics, Explain archwire sequences and their justification, Describe the way in which archwires achieve their tooth movements</p> <p>Outline variations of biomechanics</p> <ol style="list-style-type: none"> 1. Force systems produced by different orthodontic appliances 2. Force systems produced by dentofacial orthopaedic devices
Treatment planning	<p>This course is intended to provide information about and experience in: Periodontal considerations, Temporomandibular joint considerations, Comprehensive vs compromise treatments, Appliance therapy - special considerations, Identify dental health considerations in adult patients, Describe adjunctive therapy: its goals, principles and procedures, surgical orthodontic treatments.</p>
Midterm	
Class I	To understand Etiology, diagnosis, management and appliance used to treat different class I malocclusion problems
Class II division 1	To understand Etiology, diagnosis, management and appliance used to treat different class II malocclusion problems
Class II division 2	To understand Etiology, diagnosis, management and appliance used to treat different class II div 2 malocclusion problems
Class III	To understand Etiology, diagnosis, management and appliance used to treat different class III malocclusion problems
Anterior open bite and posterior open bite	To understand Etiology, diagnosis, management and appliance used to treat different anterior open bite problems
Cross-bites	To understand Etiology, diagnosis, management and appliance used to treat different cross bite problems
Canines	To understand Etiology, diagnosis, management and appliance used to treat different types of canine impaction problems
Retention	This course is intended to provide information about and experience in: The design and use of retention appliances, The duration of post treatment retention in the light of available knowledge. Design, fit and monitor appropriate retention appliances following active orthodontic treatment. Interpret the literature with regard to retention appliance choice and regime
Removable appliances	Understand parts, component and material used in removable appliances their

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	indications and mode of action the advantage and disadvantages.
Fixed appliances	This course is intended to provide information about and experience in: The scope and limitations of fixed orthodontic appliances, Indications and contraindications for their use, The placement, bonding and cementation of fixed orthodontic appliances, Anchorage planning and control in fixed orthodontic appliance therapy, The use of ligatures and elastics
Functional appliances	Understand parts, component and material used in fixed appliances their indications and mode of action the advantage and disadvantages
Adult orthodontics	This course is intended to provide information about and experience in: Periodontal considerations, Temporomandibular joint considerations, Comprehensive vs compromise treatments, Appliance therapy - special considerations, Identify dental health considerations in adult patients,
Orthodontics and orthognathic surgery	Describe adjunctive therapy: its goals, principles and procedures, surgical orthodontic treatments.
Cleft lip and palate and craniofacial anomalies	Diagnosis and complications associated with cleft lip and palate,

عدد الساعات العملي : 20 ساعه

الطريقه العمليه المتبعه :

التقويم ماده تخصصيه تدرس في السنه الرابعه و الامتياز هدف القسم هو ان يتعرف خريج طب الاسنان علي مشاكل تشوهات الوجه والفكين واعوجاج الاسنان و تدريب الطالب علي التشخيص الصحيح و توجيه الحاله الي اخصائي تقويم الاسنان .

تقسيم درجات السنه الرابعه

المجموع الكلي للدرجات قي السنه الرابعه هو 100 درجه . تقسم الي 30 درجه اعمال سنه والتي تقسم بدورها الي 15 درجه تقييم مستمر و 15 درجه اختبار جزئي .

الباقى 70 درجه تخصص للاختبار النهائي نهايه العام الدراسي .

عناوين محاضرات الجزء العملي :

Introduction and overview of the course	Introduction and overview of the course
Chief Complaint, Personal data. Medical and Dental history	Chief Complaint, Personal data. Medical and Dental history
Clinical examination:	General, Extra-oral and Intra-oral
Classification of malocclusion	Angle classification; British Standard Incisor Classification; Canine classification
Functional Analysis:	Evaluation of path of closure in all three planes; swallowing; tongue thrusting; respiration; TMJ
Radiographic examination:	Intraoral: IOPA, Bitewing, occlusal Extraoral: Orthopantomograph, Lateral Cephalometric Radiograph (Tracing; Landmarks identifications; skeletal classification.
Study Models	Cast analysis; Symmetry, Arch perimeter space analysis & mixed dentition analysis.
Treatment Planning:	Treatment aim comprehensive/compromised; Growing/Non growing patients, Dental/Skeletal; Extraction/Non extraction; Fixed/Removable appliances; Type of anchorage.
Preventive and Interceptive appliances	Preventive and Interceptive appliances: indication and contraindication of Space maintainers; Space regainers, Habit breaking appliances; Removable/Fixed.
Removable Appliances:	Indications; Components; Limitations
Functional Appliances:	Indications; Mode of action; Timing; Components; Fixed/Removable; Limitations. (Twin-block; Activators; Frankle, Herbst).
Fixed Appliances	Indications; Components, Limitations

التدريب الالكلينيكي - المعمل لكل مرحله دراسيه و الامتياز:

التقويم ماده تخصصيه تدرس في السنه الرابعه و الامتياز هدف القسم هو ان يتعرف خريج طب الاسنان علي مشاكل تشوهات الوجه والفكين واعوجاج الاسنان و التعرف علي طرق العلاج المختلفه بشكل عام و تدريب الطالب علي التشخيص الصحيح و توجيه الحاله الي اخصائي تقويم الاسنان .

تقييم الطلاب - طرق تقييم و توزيع الدرجات :

مجموع درجات ماده التقويم للسنه الرابعه هيا 100 درجه , منها 30 درجه اعمال سنه يتم تقسيمها الي 15 درجه تقييم مستمر علي مدار السنه الدراسيه علي هيئه اختبارات اكلينيكيه كل اسبوعين و 15 درجه امتحان تحريري .

باقي الدرجات البالغ 70 درجه تخصص للاختبار النهائي علي هيئه امتحان تحريري و اختبار كلينيكي علي شكل صور لحالات مرضيه و اجهزه علاجيه و صور اشعه يقوم الطالب بالاجابه علي الاسئله المرفقه للصور .