INTRODUCTION TO DENTISTRY



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Introduction to Dentistry

Prosthodontics & Dental Implant النرعات . التوبيمات السنيّة

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Objectives

At the end of this lecture, the students will be able to:

- Recognize the history of prosthetics
- 2 Identify the definition of prosthodontics
- 3. Recognize the concept of dental implant
- 4. Define the branches of prosthodontics
- 5. List the objectives of prosthodontics

Agenda

01

History of artificial teeth

02

Definitions

03

Causes of teeth loss

04

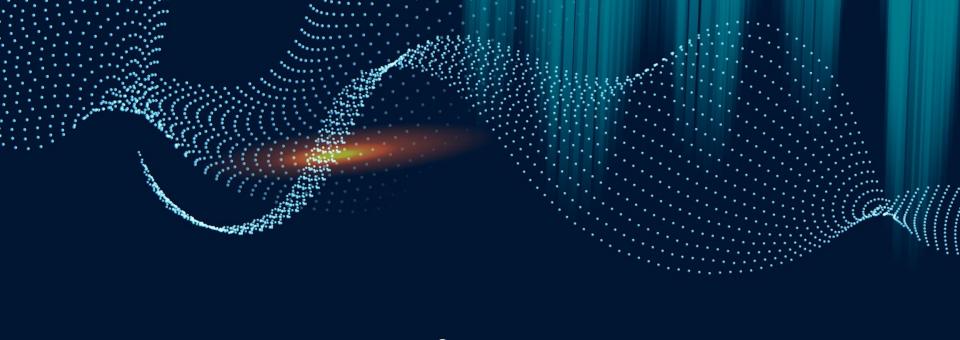
Consquences of teeth loss

05

Branches of prosthodontics

06

Treatment goals of prosthodontics



O1 History of artifical teeth

History of artifical teeth

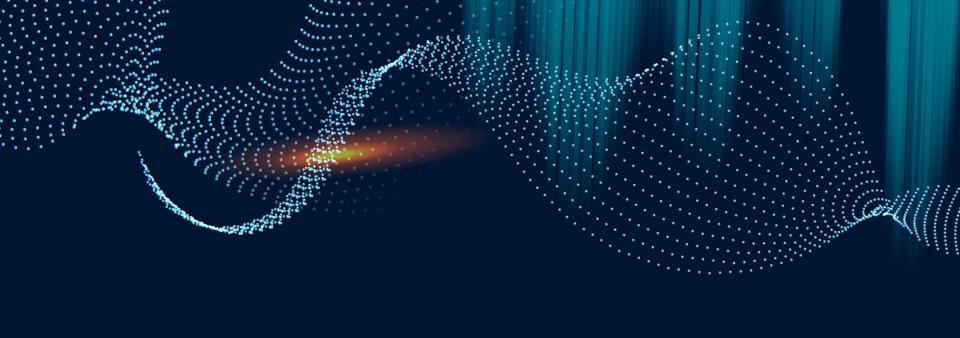
- Replacements of lost teeth have been produced for thousands of years
- BC from ivory & bone silver, gold, mother of pearl
- In 1774, dentures made from porcelain



History of artifical teeth

- The real breakthrough came when vulcanized rubber was discovered
- The discovery of acrylic resin is the next major revolution in prosthodontics





02 Definitions

Dentulous مرادة الأسنان الويان المالية

An individual who has his/her natural teeth present.

Edentulous टिंप कि रिक्स उंडिंप

The individual who has lost his/her natural teeth May be partial or complete





Prosthetics المحارية المحارية

Replacements for missing parts of the human body

Prosthodontics توهما السنية، لسن أم أكثر.

Branch of dentistry pertaining to the restoration and maintenance of oral function, comfort, appearance, and health of the patient



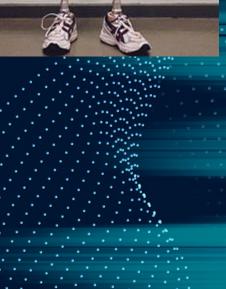
ا کی جزد حرت عی اکسم (Prosthesis کی اکسم (

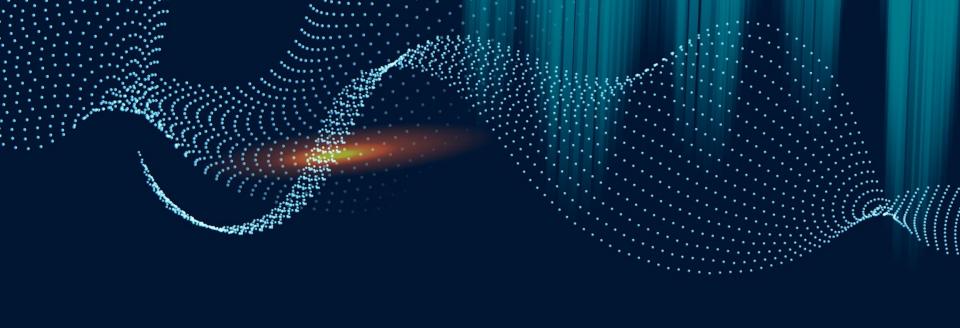
An artificial replacement of absent part of human body











O3 Causes of teeth loss

Causes of teeth loss

أسان فقر الأسنان:

- Traumatic injuries
- . Caries → Solimble Caries
- . Periodontal acuios bot
- diseases
 Cysts, malignancies
 and tumors

ندَص الكالسيرًا ممكن يَأْثِرِعُ الْأَسْان إِنْ كاليعا مَعْفِهُ مِكْن ما بكون سبن يعفرها.





Causes of teeth loss

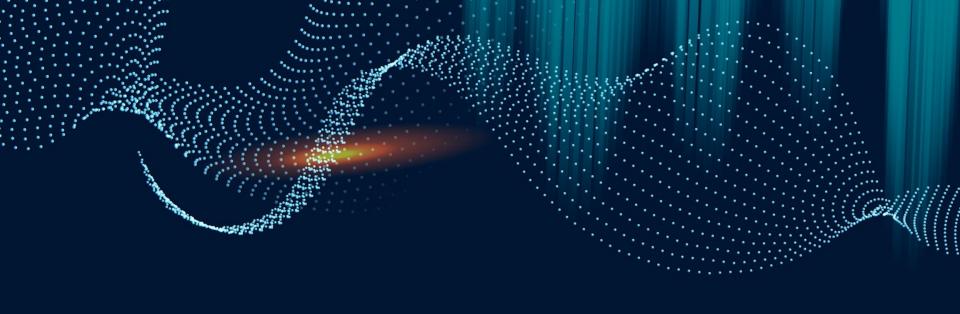
- Radiation therapy

 for tumors والمناطقة المناطقة المنا
- Grossly mal-aligned teeth
- latrogenic extraction
- انه بتوادر من د Congenitally مورد ده به missing teeth
- Failure to erupt

 (impacted teeth)







Concequences of teeth loss المنافرة الماء والماء و Sallinal Car

Concequences of teeth loss

- Loss of function : the patient can't eat
- Loss of normal esthetic
- Resorption: The socket gradually socket gradually remodels until it assumes the shape of the rounded edentulous ridge.

Bone Volume after Tooth Loss

Normal anatomy



Bone begins to recede after loss of teeth



Bone loss continues without intervention



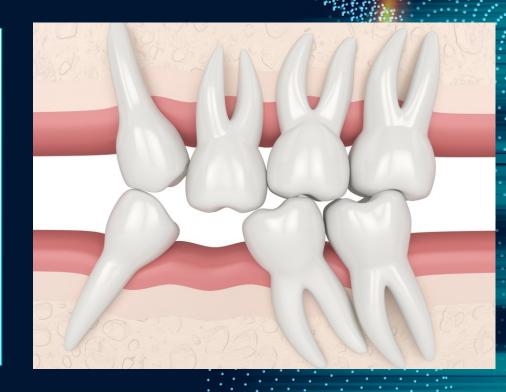


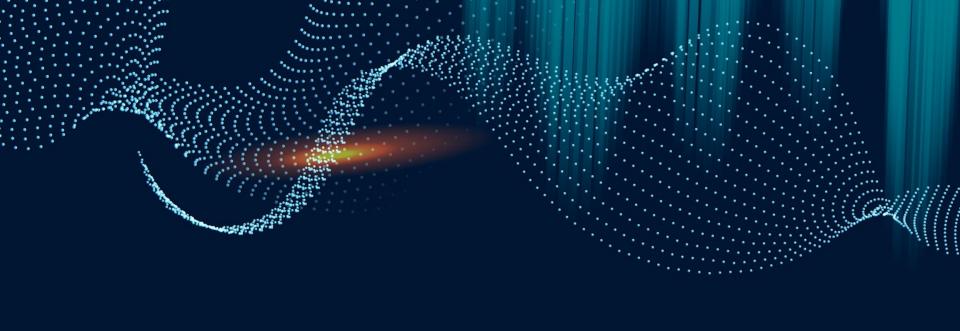




Concequences of teeth loss

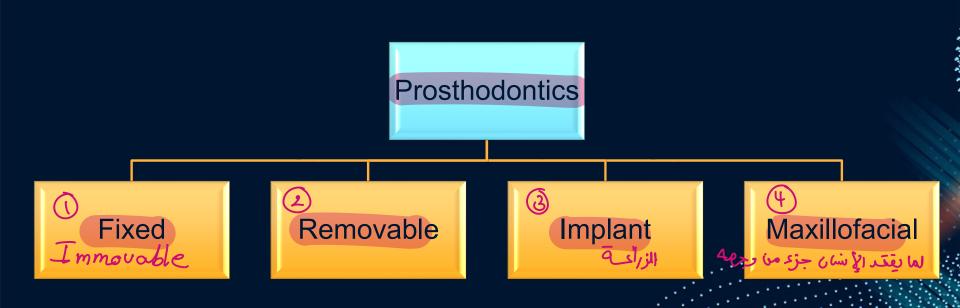
Ulim Mallo albi Tilting → يدني استي مرتبح/منخذه نوسي مرتبح/منخذه في - Drifting . Occlusal . disharmony leads to discomfort, pain, or damage to temporomandibular joints. (TMJ)

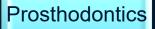




O5 Branches of Prosthodontics

Branches of Prosthodontics





Fixed

Removable

Implant

Maxillofacial

- يابته لا تتعرل ،

The prothesis will be fixed to the natural tooth (Crown) or teeth (Bridge)



Prosthodontics

Fixed

Removable

عن مترك / طقم أسنان

Implant

Maxillofacial

The prothesis (Denture) can be removed and mounted from the mouth by the patient.

If all teeth are missing it is called (Complete denture).

If some teeth are missing it is called (Complete denture) partial



Prosthodontics

Fixed

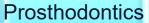
Removable

Implant oul, j

Maxillofacial



Screw shaped pin is inserted in jawbone (like the tooth root), then a fixed prosthesis is fabricated.



Fixed

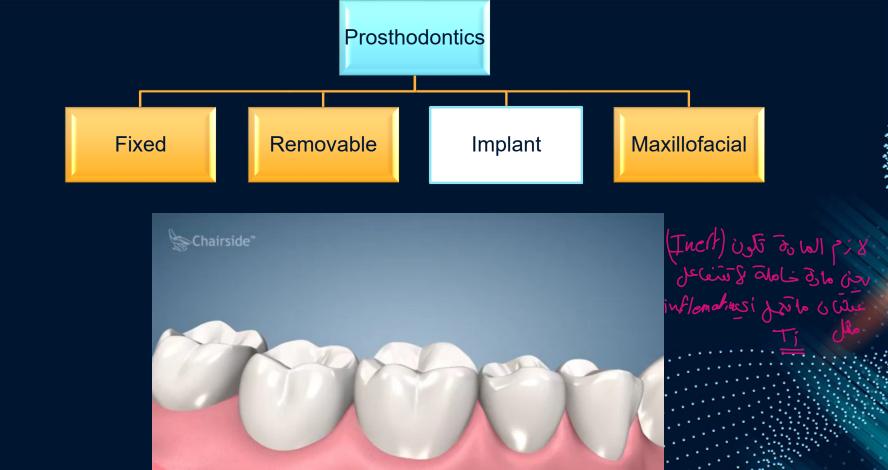
Removable

Implant

Maxillofacial



on osseointegration concept which refer to direct connection between bone and artificial body (implant)



Prosthodontics

Fixed

Removable

Implant

Removable)

attino there of will stability of dentale?

holes

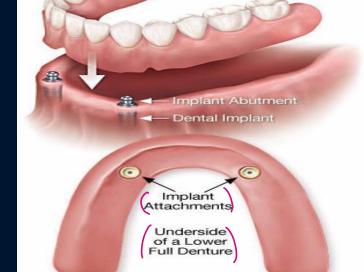
بیملرا fifting

תית!ה (' מ'. Maxillofacial

ينم تركيبهاع شل أجزاك.

Sometimes implants are used to help in denture stability (Overdenture)

Stability



Prosthodontics

Fixed

Removable

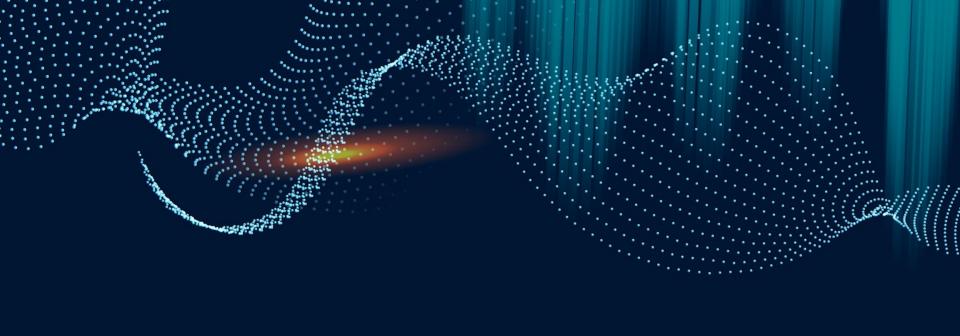
Implant

Maxillofacial



یدی حوں مش بس الاسنان بلیراحی عندی ، نے

Make prosthetic replacements of other areas of the mouth and face lost by disease and trauma



O6 Treatment goals of Prosthodontics

الهدئ من الاستكافيات السنية

Treatment goals of Prosthodontics

ه لنسا لا على الحما منويها عدي

- Patient education
- Restoration of esthetics > مُسِرَةً المُحِدَانِ
- Improvement of mastication
- المالية المال







Treatment goals of Prosthodontics

- Maintenance of the health and comfort of the mouth
- Maintenance of the health of the TMJ
- General physical and (menhod) psychological well being of the patient.



Thank you