ACRYLIC REMOVABLE PARTIAL DENTURE (RPD)

is a dental prosthesis which artificially supplies teeth and associated structure in a partially edentulous arch, made from acrylic resin and can be inserted and removed at will.

An acrylic RPD consist of an acrylic resin denture base, artificial teeth, and wrought wire clasp or even cast clasps.

Various several type are considered as acrylic partial denture, all of which are of temporary type, they are designed to be used for a short interval of time and are usually constructed as a part of the total prosthodontic treatment, they usually need supportive care.

TYPES OF ACRYLIC RPD.:-

A. Temporary partial denture

a dental prosthesis to be used for short interval of time for aesthetics, mastication, occlusal support or convenience or to condition the patient to the acceptance of the an artificial substitute for missing natural teeth until more definitive prosthetic therapy can be provided.

There are 3 types of temporary partial denture :-

1. Transitional partial denture
2. Interim partial denture

3. Treatment partial denture.

1. **Transitional partial denture:**

   a removable partial denture serving as a temporary prosthesis to which artificial teeth will be added as natural teeth are lost and which will be replaced after post-extraction tissue changes have occurred.

   **indication:**

   it is given when some or all the remaining teeth have periodontally poor prognosis but immediate extraction of all teeth are not indicated for physiological and psychological reasons.

2. **interim partial denture**
dental prosthesis is given to patient is not suitable for definitive treatment (at that time). the interim denture is worn till the patient become suitable for definitive treatment.

it used as an intermediate therapy until the permanent prosthesis is fabricated.

**INDICATIONS:**

1. When age, health or lack of time precludes a more definitive treatment.

2. in young patient with an anterior edentulous space, a fixed prosthesis cannot be given, because the pulp chambers of the adjacent abutment are large.

3. it can also used in young patients, with a posterior edentulous space and where a fixed prosthesis cannot be used due to the above reason.

4. in people (geriatric or others) who have health limitations and cannot undergo lengthier appointment.

5. for economic reasons

6. for a person who had an expected tooth loss and wants a denture within a short span of time.

**3-Treatment acrylic partial denture**
a dental prosthesis used for the purpose of treating or conditioning the tissues which are called upon to support and retain a denture base.

**INDICATIONS:-**

1-as a vehicle to carry tissue treatment material

2-to increase or restore the vertical dimension on a temporary basis

3-as a splint following oral surgical procedures.

4-as a night guard to protect the teeth from trauma due to oral habit.

**B- IMMEDIATE DENTURE**

An immediate denture is “a complete denture or removable partial denture fabricated for placement immediately after the removal of natural teeth.
INDICATIONS

1- Maintenance of a patient's appearance

2- Circum oral support, muscle tone, vertical dimension of occlusion, jaw relationship, and face height can be maintained. The tongue will not spread out as a result of tooth loss

3- Less postoperative pain is likely to be encountered because the extraction sites are protected

4- Easier to duplicate (if desired) the natural tooth shape and position

5- Adaptation easier. Speech and mastication are rarely compromised, and nutrition can be maintained.

INDICATIONS OR USES OF THE ACRYLIC PARTIAL DENTURE

1- Easthetics

2- Space maintenance
3. prevent migration or over eruption after extraction
4. maintenance of occlusal relationship
5. conditioning the teeth and oral structure
6. conditioning the patient