INTERCEPTIVE ORTHODONTICS
• PREVENTIVE ORTHODONTICS
• INTERCEPTIVE ORTHODONTICS
• CORRECTIVE ORTHODONTICS
• SURGICAL ORTHODONTICS
PREVENTIVE ORTHODONTICS
INTERCEPTIVE ORTHODONTICS
CORRECTIVE ORTHODONTICS
SURGICAL ORTHODONTICS
QUIZ

INTERCEPTIVE

PREVENTIVE
INTERCEPTIVE ORTHODONTICS

• The phase of the science and art of orthodontics employed to recognise and eliminate potential irregularities and malpositions of the developing dento-facial complex.
• Serial extraction
• Correction of developing cross bite
• Control of abnormal habits
• Space regaining
• Muscle exercises
• Interception of skeletal mal relation
• Removal of soft tissue or bony barrier to enable eruption of teeth
Serial extraction

- Early mixed dentition period
- Planned extraction
- Orderly sequence and pre-determined pattern
history

- KJELLGREN – 1929; coined
- NANCE – 1940; popularized – “planned & progressive extraction”
- HOTZ – 1970 – “active supervision of teeth by extraction”
rationale

• Arch length – tooth material discrepancy
• Physiologic tooth movement
procedure

Assess skeletal, dental and soft tissue
More than 5-7 mm deficiency
opg
• DEWEL’S METHOD
  – C - D - 4
  – 8-9 YRS
• TWEED’S METHOD
  – D 4 C
  – 8-9 YRS
• NANCE METHOD
  – D 4 C
• FIXED APPLIANCE
quiz

DR. TWEED

DEWEL

- C D 4
- Dewel
- Tweed
- Nance
indications

• Skeletal and muscular harmony
• Arch length deficiency
  – Absence of physiologic spacing
  – Premature loss of deciduous canine
  – Malpositioned or impacted laterals
  – Markedly crowded upper or lower anteriors
  – Localised gingival recession in lower anteriors
  – Ectopic eruption of teeth
  – Abnormal eruption pattern
• Discrepancy between tooth material and basal bone
• Patients with straight profile and pleasing appearance
contraindications

- Class II & III malocclusions
- Spaced dentition
- Skeletal abnormalities
- Anodontia / oligodontia
- Open bite/ deep bite
- Midline diastema
- Minimal space deficiency
- Malformed teeth
- Extensive caries
advantages

• Physiologic
• Psychological trauma
• Elimination of treatment
• Reduces the duration of treatment
• Better oral hygiene
• Health of investing tissues
• Lesser retention period
• More stable results
disadvantages

• Clinical judgement
• Prolonged treatment period
• Frequent visits
• Tongue thrust
• Deep bite
• Worsen
• Axial inclination require correction
Anterior cross bite

- Dento-alveolar
- Functional
- Skeletal
4. Ectopic Tooth Eruption

Abnormal
QUIZ

DENTAL CL III

FUNCTIONAL CL III
• TONGUE BLADE

DOUBLE CANTILEVER SPRING
CATALAN’S APPLIANCE
SCISSORS BITE
THANK YOU