

CROSSBITE

ETIOLOGY

- Heredity
- Growth disturbances
- Hyper active Buccinator or Orbicularis oris
- Thumb or Mouth breathing habit
- Abnormal eruption & shedding
 - Maxillary deficiency
 - Premature contacts

CLINICAL FEATURES

SKELETAL

MOSTLY GENETIC AND HEREDITARY

CLASS III MOLAR RELATIONSHIP

SIGNIFICANT ANTEROPOSTERIOR DISCREPANCY
BETWEEN THE MAXILLA AND MANDIBLE

SEGMENT CROSSBITE

DENTAL:

LACK OF SPACE CROWDING , OVER RETAINED
DECIDUOUS TEETH

CLASS I MOLAR RELATIONSHIP

SIGNIFICANT ANTEROPOSTERIOR DISCREPANCY
BETWEEN THE MAXILLA AND MANDIBLE

SINGLE CROSSBITE

Management of crossbite

ANTERIOR CROSSBITE

DEVELOPING ANTERIOR CROSSBITE

TONGUE BLADE THERAPY

LOWER INCLINED PLANE THERAPY

ANTERIOR CROSSBITE

Z SPRING WITH POSTERIOR BITE PLANES

TELESCOPIC EXPANSION SCREW

SEGMENTAL EXPANSION WITH POSTERIOR BITE

MULTILOPPED ARCHWIRE WITH FIXED APPLIANCES

POSTERIOR CROSSBITE

SINGLE TOOTH CROSSBITE

CROSS ELASTICS

SECTIONAL FIXED APPLIANCES

REMOVABLE ORTHODONTIC APPLIANCE WITH EXPANSION

UNILATERAL POSTERIOR CROSS BITE

REMOVABLE APPLIANCE WITH UNILATERAL SCREW

FIXED ORTHODONTIC APPLIANCES

BILATERAL POSTERIOR CROSSBITE

COFFIN SPRING

QUAD HELIX

HYRAX

SYMMETRICAL EXPANSION SCREW