

ABO DISCREPANCY INDEX INSTRUCTIONS Version 2010-2011

Occlusion is determined by placing the backs (bases) of the pre-treatment dental casts on a flat surface after they have been pushed together in occlusion. All measurements must be made from this position.

OVERJET: Overjet is a measurement between two antagonistic incisor teeth comprising the greatest overjet and is measured from the facial surface of the most lingual tooth (Mx or Mn) to the middle of the incisal edge of the more facially positioned tooth (Mx or Mn). For overjet of 0 – 0.9 mm. (edge-to-edge), 1 point is scored; for overjet of 1 to 3 mm., no points are scored; for 3.1 – 5 mm., 2 points are scored; for 5.1 – 7 mm., 3 points are scored; for 7.1 – 9 mm., 4 points are scored and if over 9 mm., 5 points are scored. If there is a negative overjet (anterior crossbite), the score is recorded as 1 point per mm. per anterior tooth in crossbite.

OVERBITE: For overbites of up to 3 mm., no points are scored. If the overbite is between 3.1 to 5 mm., 2 points are scored; if between 5.1 to 7 mm., 3 points are scored. If the lower incisors are impinging on the palatal tissues and/or 100% overbite, then 5 points are scored.

ANTERIOR OPEN BITE: For each anterior tooth (canine to canine) that is in an edge to edge relationship (overbite = 0), 1 pt. is scored per tooth. For each addl. full mm. of open bite, 1 pt. is scored for each maxillary tooth involved. No points are scored for any tooth that is blocked-out of the arch or simply not fully erupted.

LATERAL OPEN BITE: For each maxillary tooth (from the 1st premolar to 3rd molar) in an open bite relationship with the lower arch, 2 pts. are scored per mm. of open bite for each tooth. No points are scored for any tooth that is blocked-out of the arch or simply not fully erupted.

CROWDING: When scoring, measure the most crowded arch circumference (only one arch) between the first molars. From 0 to 1 mm., 0 points are scored; from 1.1 to 3 mm., one point is scored; from 3.1 – 5 mm., 2 points are scored; from 5.1 – 7 mm., 4 points are scored. If the crowding is greater than 7 mm., 7 points are scored.

OCCLUSION: When scoring occlusion, the Angle classification is used. If the mesiobuccal cusp of the maxillary first molar occludes with the buccal groove of the mandibular first molar or anywhere between the buccal groove and the mesiobuccal or distobuccal cusps, no points are scored. If the mesiobuccal cusp of the maxillary first molar occludes with the mesiobuccal (Class II end-to-end) or distobuccal (Class III end-to-end) cusps of the mandibular first molar, then 2 points per side are scored. If the relationship is a full Class II or III, then 4 points per side are scored. If the relationship is greater or beyond Class II or III, then 1 additional point per mm. is scored. Each side should be scored individually and included in the point accumulation for this category.

LINGUAL POSTERIOR CROSSBITE: For each maxillary posterior tooth where the maxillary buccal cusp is lingual to the buccal cusp tip of the opposing mandibular tooth (from the first premolar to the third molar), 1 point is scored.

BUCCAL POSTERIOR CROSSBITE: For each maxillary posterior tooth (from the first premolar to the third molar) in complete buccal crossbite, 2 points are scored.

CEPHALOMETRICS: (**See [Construction of Mandibular Plane](#) at *Measurement Instruments* of the ABO website)

- If the ANB angle is (6° or greater) OR (-2° or less) , then 4 points are scored. An additional point is scored for each degree above 6° or below -2°.
- If the SN-MP angle is between 27° and 37° , zero points are scored.
- If the SN-MP angle is 38° or greater, then 2 points are scored for each degree above 37°.
- If the SN-MP angle is 26° or less, then 1 point is scored for each degree below 27°.
- If the Lower Incisor to MP angle is 99° or greater, then 1 point is scored for each degree above 98°.

OTHER: (List number of occurrences and points on DI form.)

- **Supernumerary** teeth – 1 pt. for each extra tooth
- **Ankylosis** of permanent teeth – 2 pts. per tooth
- **Anomalous morphology** of tooth size & shape (e.g. peg lateral incisor) - 2 pts. per tooth
- **Impaction** (except third molars) of teeth – 2 pts. per tooth
- **Missing teeth** (except third molars) – 1 pt. per tooth; congenitally missing teeth – 2 pts. per tooth
- **Midline discrepancy** – 2 pts. for 3 mm. or more
- **Spacing** – 2 pts. for Mx central diastema of 2 mm. or more; 2 pts. per arch for generalized spacing of 4 teeth or more
- **Tooth transposition** – 2 pts. for each event
- **Skeletal asymmetry** (treated nonsurgically) – 3 pts.
- **Additional treatment complexities** – 2 pts. each (identify on lines provided)