

TOTAL PROSTHETICS IN FUNCTION

CHECKLIST FOR THE STANDARD WAX SET-UP



1. Anatomic midpoints on model

☐

2. Mandible - static lines

- front ridge and middle of the mucolabial fold ☐
- basic statics: 1st premolar positions and middle of the trigons (red) ☐
- inner correction: 1st premolar positions and lingual limit of the trigons (green) ☐
- outer correction: 1st premolar positions and buccal limit of the trigons (blue) ☐
- parallel to the lateral ridge line ☐
- tangent (parallel to the occlusal plane), vertical marking of the largest masticatory unit and tolerance range 1 mm mesial and distal (blue) ☐
- 22.5 ° angle marking and stop line (red) ☐

3. Maxilla - static lines

- centre of the incisive papilla, labial area limit of the central incisors 7-8 mm, tips of the first large pair of palatal folds (if available) for the canine position ☐
- basic statics: 1st premolar positions and middle of the tuber (red) ☐
- inner correction: 1st premolar positions and pterygomandibular fold (green) ☐
- outer correction: 1st premolar positions and buccal limit of the alveolar ridge ☐
- transfer of the marking of the largest masticatory unit (1st molar position) ☐

4. Definitive outer and inner corrections and set-up line

- definitive **outer** correction ☐
- definitive **inner** correction ☐
- definitive set-up line **right** (alternatively: use the lower basic statics, if jaw atrophy is indicated) ☐
- definitive set-up line **left** (alternatively: use of the lower basic statics, if jaw atrophy is indicated) ☐

5. Mandible row of teeth

- Mandible incisors:** ■ toothbases in the middle of the ridge (e.g. caliper control) ☐
- compliance with the labial area limit (e.g. caliper control) ☐
- Mandible canines:** ■ canine tips lie on the definitive set-up line; distal facets point towards the vestibular edges of the trigons ☐
- slightly in front of the ridge, lingually inclined, tips approx. 1 mm above the occlusal plane ☐
- Mandible posteriors**
- occlusal** ■ buccal cusps are within the definitive outer correction ☐
- in the definitive set-up line, i.e. 1st premolar between buccal cusp tip and fissure, 2nd premolar, 1st and 2nd molar in line with the central fissure ☐
- 1st molars: central grooves in position of the largest masticatory unit or tolerance ranges ☐
- central fissures lie within the definitive inner correction ☐
- buccal** ■ 1st premolars are about 1 mm above the occlusal plane ☐
- 2nd premolars are at the level with the occlusal plane ☐
- 1st molars are mesially level with the 2nd premolars, distal approx. 1 mm above the occlusal plane or 1st molars as the last teeth, then approx. 1 mm above the occlusal plane ☐
- 2nd molars are mesially level with the 1st molars, distal approx. 1 mm above the occlusal plane or no 2nd molars, then check whether permissible based on the model analysis ☐
- lingual** ■ step between 1st and 2nd premolar; 2nd premolar and 1st molar; transversal adaptation of the molar cusp inclinations (e.g. sagittal burr check, angle template) ☐

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6. Maxilla row of teeth

- | | | |
|-----------------|--|--------------------------|
| occlusal | ■ buccal cusps are within the definitive outer correction | <input type="checkbox"/> |
| | ■ palatal cusps lie within the definitive inner correction | <input type="checkbox"/> |
| | ■ mesial grooves of the 1st premolars, palatal cusps of the 2nd premolars, 1st molars and possibly the 2nd lie on the definitive set-up line | <input type="checkbox"/> |
| | ■ 1st molars lie on the lower 1st molar position (ideally would be the mesio-palatal cusp) | <input type="checkbox"/> |
| buccal | ■ 1st premolar stands vertically to the occlusal plane | <input type="checkbox"/> |
| | ■ 2nd premolar stands vertically to the occlusal plane | <input type="checkbox"/> |

7. Position of the anteriors

- | | |
|--|--------------------------|
| ■ in correspondence with the centre lines between maxilla and mandible | <input type="checkbox"/> |
| ■ upper centrals labial surfaces at least 7-8 mm in front of the incisive papilla (see model analysis) | <input type="checkbox"/> |
| ■ upper canines distal facets should not be visible from the front | <input type="checkbox"/> |

8. Static occlusion

- | | |
|--|--------------------------|
| ■ left side: groove contacts on 1st and 2nd premolar, 1st molar and possibly 2nd (see model analysis) | <input type="checkbox"/> |
| ■ right side: groove contacts on 1st and 2nd premolar, 1st molar and possibly 2nd (see model analysis) | <input type="checkbox"/> |
| ■ maxilla <u>no</u> buccal contacts outside of the definitive outer correction | <input type="checkbox"/> |
| ■ no contacts distal of the stop line / to avoid proglissement | <input type="checkbox"/> |

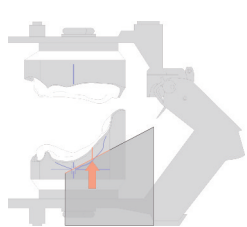
9. Dynamic occlusion

A. Balanced occlusion

- | | |
|--|--------------------------|
| ■ laterotrusion to the left: contacts of at least 1st premolar buccal and 1st molar with the palatal cusp | <input type="checkbox"/> |
| ■ laterotrusion to the right: contacts of at least 1st premolar buccal and 1st molar with the palatal cusp | <input type="checkbox"/> |

B. Canine premolar guidance (no 2nd premolar guidance!)

- | | |
|---|--------------------------|
| ■ laterotrusion to the left: over the inner mesial slope of the upper 1st premolar, upper canine guides slightly | <input type="checkbox"/> |
| ■ laterotrusion to the right: over the inner mesial slope of the upper 1st premolar, upper canine guides slightly | <input type="checkbox"/> |



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