

Accuracy Planning – Outline

I. introduction

- A. accuracy
- B. correct positions
- C. incorrect positions

II. planning errors

- A. diagnostic omissions
 1. patient history
 2. TMJ clinical - tomogram
 3. model examination
 4. facial examination
 5. cephalometrics
- B. inappropriate goal

III. inaccurate surgical movements

- A. BSSO inaccuracy
 1. condylar displacement - posterior
 2. condylar displacement – torque
 3. intracapsular edma
 4. corrected model and CTP bites differ
 5. accurate condylar seating
 6. CO does not equal CR correction
- B. LFI inaccuracy
 1. CTP Ceph – anterior condyle
 2. internal measurements
 3. posterior condylar seating
 4. inadequate posterior reduction
 5. corrected model and CTP bites differ
 6. accurate condylar seating
- C. BSSO + LFI inaccuracy
 1. Cd displacement – posterior (same as isolated BSSO)
 2. Cd displacement – torque (same as isolated BSSO)
 3. intracapsular edema (same as isolated BSSO)
 4. corrected model and CTP bites differ
 5. CTP ceph – anterior condyle (same as isolated LFI)
 6. internal measurements (same as isolated LFI)

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7. posterior condylar seating (same as isolated LFI)
8. inadequate posterior reduction (same as isolated LFI)
9. corrected model and CTP bites differ (same as isolated LFI)
10. starting mounted model and CTP malocclusions differ
11. inaccurate intermediate splint –unique
12. operating the maxilla 1st

IV. inadequate follow-up

A. post surgical bite correct – protocol

1. surgical recall schedule
 - a. 7th day bite test
 - b. 14th day bite test
 - c. after 14th day – bite correct
2. standard elastics
 - a. Unitek elastics
 - b. anteroposterior
 - c. vertical
 - d. transverse
 - e. acrylic on archwire
3. standard post surgical jaw movements

B. post surgical bite incorrect – protocol

1. orthodontic considerations
2. occlusal modifications tools
 - a. dental elastics
 - b. skeletal elastics
 - c. muscle activity
 - d. orthodontic mechanics
3. identifying post – surgical malocclusions
 - a. 7-9th day post surgical bite test
 - b. 14th day post surgical bite test
 - c. common post surgical malocclusions
4. correction of post surgical malocclusions
 - a. CII or CIII overjet
 - b. midline deviation

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- c. anterior openbite
- d. posterior openbite
- e. narrow multisegment LFI

5. limits of post surgical correction

6. orthodontic finishing

V. case examples