AI-02: Mandibular Impression Checklist

Date: ___________________________  Name: ___________________________

Mandibular tray selection
☐ 1. Impression tray is easily inserted into the mouth
☐ 2. There is slight play in the tray so that there is ¼ " (6 mm) space between all parts of the tray and tissues
☐ 3. Patient does not feel any impingement or rubbing on the tissue
☐ 4. If the lower incisors are leaning out, the front extension of the tray is bent back into the vestibular area below the front incisors to minimize voids of alginate in the area
☐ 5. Tray extends into possible lingual undercuts if back molars are tilted lingually
☐ 6. Note the position of the tray when it is centered and the ideal path of insertion and removal

Wax the borders of tray
☐ 1. Wax the borders of the tray if indicated

Properly mix alginate
☐ 1. Water temperature 68° - 73° F  (20° - 23° C)
☐ 2. Proper powder-water ratio
☐ 3. Proper spatulation for correct amount of time

Properly load tray
☐ 1. Load mixed alginate into the tray avoiding air pockets
☐ 2. Fill the tray to above the rim
☐ 3. Smooth the alginate surface with wet fingers

Preapply alginate to potential void areas
☐ 1. Collect a small amount of alginate on an index finger
☐ 2. Apply alginate with index finger to undercuts, cervical areas of erosion, gingival surface, vestibular undercut areas, and occlusal surfaces
AI-02: Mandibular Impression Checklist  (continued)

Insert the filled mandibular tray

☐ 1. Stand or sit facing the patient
☐ 2. Insert one side of the filled tray into mouth pushing out against the inside of the cheek
☐ 3. Hold the opposite corner of the mouth out with your fingers while inserting the other side of the tray
☐ 4. Position the tray centered over the occlusal surfaces of the teeth
☐ 5. Position the tray ¼ " (6 mm) anterior to the labial surfaces of the lower incisors
☐ 6. Slowly and gently push the tray down in the posterior while holding the lower lip out
☐ 7. Rotate the tray down in the front while pulling the lip out, letting all air escape
☐ 8. Push the tray posterior 1/8 " (3 mm) to get the impression material under the incisors
☐ 9. Have the patient lift the tongue gently as tray is being pushed down, to mold the lingual extensions
☐ 10. Maintain even bilateral pressure for 15 seconds beyond set of the material
☐ 11. Reassure and instruct the patient to breathe through the nose
☐ 12. Support the mandible with your thumbs under the border of the mandible

Correctly remove the impression

☐ 1. From the front of the patient hold the tray with your right thumb and fingers
☐ 2. Retract the patient’s right cheek and lip with your left fingers and release the edge of impression by depressing the buccal mucosa (air can also be sprayed under edge of impression if there is difficulty)
☐ 3. Protect the opposite arch
☐ 4. Remove the impression with a snap (otherwise may tear and distort the impression)
☐ 5. Inspect and evaluate the impression for adequacy
☐ 6. Clean face of the patient and reassure that the procedure was successful
☐ 7. Rinse the impression under cool water and spray with disinfectant
☐ 8. Wet cotton rolls can be placed in the impression to maintain 100% humidity
☐ 9. Wrap in a moist paper towel
☐ 10. Place the impression in a zip lock bag with proper identification
☐ 11. Complete necessary records
☐ 12. Clean up the area and disinfect as indicated