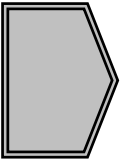


L

isting of Standards By Task

ORTHODONTICS

1. Disinfect the impression and/or model
2. Evaluate the prescription for completeness
3. Document changes to the prescription and/or design requirements
4. Assess the impression or model
5. Fabricate a working cast
6. Fabricate a working cast with bands attached
7. Fabricate a study cast
8. Prepare cast for banding
9. Seat the bands on working cast
10. Mount the working models on the articulator
11. Fabricate and place wires and components for the appliance on the model
12. Apply separator
13. Soak the cast
14. Apply and process material
15. Remove the appliance from the model and de-wax the appliance and model
16. Solder wire components
17. Trim the appliance
18. Polish, shine and clean the appliance
19. Determine the appliance quality
20. Prepare the appliance for shipping
21. Align and lute together broken orthodontic appliance components



Condition:

Given a shipment of an impression or model from a Health Professional

Task:

Disinfect the impression and/or model

Criteria:***Safety:***

- So that gloves are worn at all times until disinfecting is completed
- So that the disinfectant used is compatible with the impression and/or model
- So that manufacturer's specifications for the disinfectant used, are followed
- So that the packaging material that was in direct contact with the impression or model, is discarded
- So that the impression and/or model is disinfected according to the Universal Precautions -- at the minimum -- low level, as defined by the RCDSO guidelines, dated June 1995

Timing:

- Before proceeding any further

Condition:

Given a prescription from a Health Professional

Task:

Evaluate the prescription for completeness

Criteria:

Technical Quality:

- The prescription must include:
 - ⇒ the patient's name or identification number
 - ⇒ the authorized Health Professional's name
 - ⇒ type and/or description of appliance or treatment objectives
 - ⇒ date sent and date required
- So that if in doubt, the dental technologist will consult the Health Professional before proceeding with the work

Condition:

Given that clarification and/or changes are needed due to an incomplete or unclear prescription from a Health Professional

Task:

Document changes to the prescription and/or design requirements

Criteria:***Technical Quality:***

- So that any changes or modifications to a prescription or design as a result of discussions with the Health Professional, are documented and dated
- Documentation must include:
 - ⇒ date and time of discussion
 - ⇒ name of contact from the Health Professional's office
 - ⇒ changes and modifications agreed to
 - ⇒ signature of the RDT or that of the person designated by the RDT

Condition:

Given an impression or model from a Health Professional

Task:

Assess the impression or model

Criteria:

Technical Quality:

- The impression or model must --
 - ⇒ not have any flaws and/or visible distortions that will affect the work to be done



Condition:

Given a complete prescription and an impression from a Health Professional, model materials, mixing container, a spatula, and a vibrator

Task:

Fabricate a working cast

Criteria:***Technical Quality:***

- So that the model is free of air bubbles or visible distortions that will affect the work to be done

Condition:

Given a complete prescription and an impression containing bands from a Health Professional, model materials, mixing container, a spatula, and a vibrator

Task:

Fabricate a working cast with bands attached

Criteria:

Technical Quality:

- So that the model is free of air bubbles or visible distortions that will affect the work to be done
- So that the bands are accurately recorded on the model in accordance with the band position in the impression



Condition:

Given a complete prescription and an impression from a Health Professional, model materials, mixing containers, a spatula, a vibrator and a model trimmer, and bite registration, if provided

Task:

Fabricate a study cast

Criteria:***Technical Quality:***

- So that the model is free of air bubbles and visible distortions
- So that the study model meets the requirements of the Health Professional as stated on the prescription

Condition:

Given a complete prescription and an impression from a Health Professional, a working cast, orthodontic bands and related tools

Task:

Prepare the cast for banding

Criteria:

Technical Quality:

- So that the requirements of the Health Professional as stated on the prescription are met
- So that the cast is altered to simulate the subgingival contours of the teeth to be banded



Condition:

Given a complete prescription and an impression from a Health Professional, an altered working cast, orthodontic bands and related tools

Task:

Seat the bands on working cast

Criteria:***Technical Quality:***

- So that the requirements of the Health Profession as stated on the prescription are met
- So that the bands are well adapted to the tooth and are even with the marginal ridges

Condition:

Given a Health Professional's prescription, a working and opposing model, an articulator, and luting material, and if required, a bite registration or construction bite

Task:

Mount the working models on the articulator

Criteria:

Technical Quality:

- So that the models are mounted in the relationship as required by the prescription

Condition:

Given the prescription and the design, a range of wires and a variety of components and tools required for wire work and soldering material

Task:

Fabricate and place wires and components for the appliance on the model

Criteria:***Technical Quality:***

- According to the prescription
- So that the wire and components are held stationary on the cast
- So that the wire and components to be embedded in processing materials are set off the model
- So that the wire and fixed components to be soldered are held stationary on the cast
- So that the wires are free of nicks

Safety:

- So that materials used are either ADA, CDA, Health Canada or FDA approved
- So that if materials do not have either ADA, CDA, Health Canada or FDA approvals, the RDT must inform the prescribing Health Professional and record the Health Professional's approval and the materials used.

Condition:

Given the model, separator and brush

Task:

Apply separator

Criteria:***Technical Quality:***

- So that all areas which will be coming in contact with processing material (e.g. acrylic) are covered

Condition:

Given a wired cast and using a tub with water

Task:

Soak the cast

Criteria:

Technical Quality:

- So that all air bubbles are removed

Condition:

Given a soaked and separated model, the fabricated components and wire work, processing material and equipment required by the technique

Task:

Apply and process material

Criteria:

Technical Quality:

- So that the material is processed without porosity
- So that manufacturer's specifications are met

Safety:

- So that non-allergenic materials are used when specified in the prescription
- So that materials are either ADA, CDA, Health Canada or FDA approved
- So that if materials do not have either ADA, CDA, Health Canada or FDA approvals, the RDT must inform the prescribing Health Professional and record the Health Professional's approval and the materials used

Condition:

Using wax remover (i.e. hot or cold water, steam or chemical wax remover)

Task:

Remove the appliance from the model and de-wax the appliance and model

Criteria:***Technical Quality:***

- So that the appliance is not distorted
- So that all wax is removed from the appliance

Condition:

Given fabricated wire for a fixed appliance or a removable appliance requiring soldered components

Task:

Solder wire components

Criteria:

Technical Quality:

- So that the requirements of the Health Professional as stated on the prescription are met
- So that the solder joints are free of voids and porosity
- So that the soldered components are secure

Safety:

- So that soldering materials used are either ADA, CDA, Health Canada or FDA approved
- So that if materials do not have either ADA, CDA, Health Canada or FDA approvals, the RDT must inform the prescribing Health Professional and record the Health Professional's approval and the materials used

Condition:

Given the prescription and using burs on a dental lathe or hand piece

Task:

Trim the appliance

Criteria:***Technical Quality:***

- So that clasps are functional
- So that all excess acrylic is removed
- So that all excess solder is removed
- So that active components can perform their design functions
- So that the appliance fits passively to the master model

Condition:

Given a lathe or hand piece, cotton and/or bristle brushes, polishing media and the appliance

Task:

Polish, shine and clean the appliance

Criteria:

Technical Quality:

- So that the appliance, including any solder joints, is smooth and all scratches are removed
- So that wire work is not distorted
- So that all sharp edges are rounded off
- So that all polishing debris is removed
- So that the appliance is clean and ready for shipping

Condition:

Given the clean appliance and a Health Professional's prescription

Task:

Determine the appliance quality

Criteria:***Technical Quality:***

- The appliance must be correct in accordance with the prescription
- The appliance must fulfil the required intra-oral function and intent of the prescription

Condition:

Given a polished and clean appliance, and shipping bag/container

Task:

Prepare the appliance for shipping

Criteria:***Technical Quality:***

- Packing it so that it will be received by the Health Professional with no damage or distortion

Condition:

Given a broken orthodontic appliance that can be assembled without an impression

Task:

Align and lute together the orthodontic appliance components

Criteria:***Technical Quality:***

- So that the broken components are aligned to replace the original orthodontic appliance

Safety:

- So that materials used are either ADA, CDA, Health Canada or FDA approved
- So that if materials do not have either ADA, CDA, Health Canada or FDA approvals, the RDT must inform the prescribing Health Professional and record the Health Professional's approval and the materials used