

Rules of the 23rd Annual Dalhousie Prosthodontic Olympics Monday, January 20, 2020



General:

In dental curricula, emphasis is often placed on students' quality of work, with minimal incentive or credit provided for the speed with which acceptable results are achieved. The 'Prosthodontic Olympics' is intended to provide an opportunity for dental students to improve their speed in performing clinical and laboratory procedures.

The Prosthodontic Olympics consists of five events: Alginate impressions, Rubber Dam Placement, Boxing final impressions, Provisional restoration fabrication, and Crown preparation. One student from each team is allowed to enter one event. Teams may decide which member will enter each event. **Since a grand prize is awarded to a member of the winning team it is important that teams work together and practice prior to the events.**

Scoring of Events

Marks will be assigned for both speed and quality. Points will only be awarded to products that are judged 'acceptable' (Dalhousie rating of '2'). Scoring of each event will be as follows:

	<u>Quality:</u>		<u>Speed:</u>
Best	10	Fastest	9
2nd	9	2nd	8
3rd	8	3rd	7
4th	7	4th	6
5th	6	5th	5
6th	5	6th	4
etc.....			

The winning student for each event will have the greatest cumulative score of quality and speed. In the event of a tie, the student with the highest score for quality will receive the highest position (gold, silver, or bronze). Prizes will be awarded for individual and team standings.

A **Grand Prize** will be awarded according to the following criteria:

1. The Grand Prize will be awarded to one member of the Team with the highest total of points at the end of the Olympics.
2. If there are members of the winning team who have not won a prize in their event, the prize will be awarded by a draw of a name from those on the team who have not won a prize.
3. If everyone on the winning team has won a prize prior to awarding of the Grand Prize, that prize will be awarded to the person with the highest total points on the winning team.
4. In the event of a tie, the student with the highest quality point total will be awarded the grand prize.
5. If quality point totals are equal, the grand prize winner will be selected by draw.

Marks will be assigned by judges (full and part-time prosthodontic faculty). Infection control guidelines are in effect and should be followed.

1. Alginate Impressions

A maxillary and mandibular alginate impression will be made of a teammate. Any technique that is safe, and yields an acceptable result may be used (impressions must be made singly). A third teammate may be used to assist with mixing and cleanup. Only the student making the impressions will receive marks. **Students supply their own equipment (alginate bowls); material is supplied including sterile 11R spatulas.** Points will only be awarded to impressions that are judged 'satisfactory' (assessment of '2' or '3') according to the following criteria:

- Peripheries well defined (minimum of voids; showing muscle and frenal attachments)
- Accurate recording of the retromolar pads, retromylohyoid area, post palatal seal area and proper height of floor of mouth
- Material properly mixed as indicated by impressions
- Minimum of voids
- Trays properly selected and centered over the ridges
- Minimal areas where trays have contacted tissues
- Accurately records the available supporting tissues

Maximum time allowed: **10 minutes.**

2. Boxing Final Impressions

A maxillary final impression will be boxed using the alginate technique. Points will only be awarded to boxed impression that are judged 'satisfactory' (assessment of '2' or '3') according to the following criteria:

- Boxing material is well adapted to impression/custom tray (no voids)
- Land area 2-3 mm below impression peripheries
- Land area is relatively smooth, horizontal
- No areas of undercut around custom tray (to allow removal of impression)
- No debris on impression
- No critical anatomy of the impression is covered by boxing material
- Boxing periphery is approximately 15 mm above highest portion of impression

Teammates may only assist with cleanup. Maximum time allowed: **10 minutes**.

3. Rubber Dam Placement

Rubber dam will be applied to the maxilla or mandible of a provided typodont in a manikin head from the 2nd molar of the designated quadrant to the canine of the contralateral side of the arch. Students must use the rubber dam material that is supplied. Rubber dam may not be stamped or marked in any way, and it may not be punched prior to the event. Rubber dam clamps can be ligated prior to the start time. All equipment and material are supplied. Points will only be awarded to trays that are judged 'satisfactory' (assessment of '2' or '3') according to the following criteria:

- Proper clamp selection
- Clamp stable
- Dam properly oriented with no wrinkles.
- No space between teeth and rubber dam (closely adapted to all isolated teeth)
- No tears.
- Rubber dam inverted.
- Clamp properly ligated with floss

Teammates may only assist with flossing and stretching of the rubber dam. Teammates may not punch any rubber dam. Typodonts remain in the cubicles and are not run to the judges table, only the team letters are run by another team member. Maximum time allowed: **10 minutes**

4. Crown Preparations

A typodont molar tooth will be ideally prepared for a full gold crown with a chamfer margin. Points will only be awarded to preparations that are judged 'satisfactory' (assessment of '2' or '3') according to the following criteria:

- Adequate dentin remaining for pulpal integrity
- Adequate morphological reduction
- Acceptable margin placement (at the gingiva); margin smooth and continuous
- No involvement of adjacent teeth
- Acceptable resistance and retention form
- Rounded line angles
- No burn marks on tooth

Students supply their own burs. Handpieces will be provided, and typodont is supplied. Teammates may only assist with cleanup and suction. Maximum time allowed: **15 minutes**.

5. Provisional Restoration for a Crown

A custom acrylic provisional restoration will be made on a stone model of a molar tooth prepared for a full gold crown. The provisional must be trimmed, finished and polished within the time allotted. Points will only be awarded to provisionals that are judged 'satisfactory' (assessment of '2' or '3') according to the following criteria:

- Acceptable margins (less than 0.25mm opening)
- Interproximal contacts present
- No voids or areas of severe roughness
- Acceptable axial contours (no over- or under-contouring)
- Acceptable occlusion (approximates the occlusal plane of other teeth in the arch)
- Acceptable finish and polish

Students supply their own equipment, burs and finishing and polishing instruments. A stone model of the preparation, the acrylic resin, separating medium and a silicone matrix (mold) will be supplied. Teammates may only assist with cleanup and suction.

Maximum time allowed: **15 minutes**.

Mentors

Mentors have agreed to aid students improve their performance in the designated events. If you have cut your times as low as possible and want tips to improve the time or quality of your work, teams may seek assistance of their mentors, prior to the day of competition. There will be a practice with mentors on Monday, Jan. 13, 2020, in the SIM lab, and clinic.

Team Captains (see Team Sheets)

The first name on team lists is the Team Captain. Team Captains are responsible for preparing team event lists, facilitating team name, costume and banner selection etc., encouraging cheering, and any other aspects affecting team morale.