



Northeastern Gnathological Society

# Fellowship Guidelines For Dental Technologists

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## 1-Introduction to Fellowship in the NGS

The Northeastern Gnathological Society (NGS) was established as a forum for the intellectual pursuit of the science and clinical application of the principles guiding the Gnathostomatic system.

From inception, it was understood that the dissemination and clinical application of that knowledge was central to the society's ultimate goal of serving the prosthodontic community, thus enabling it to provide a higher level of patient care.

The Society's steadfast commitment to education remains our most fundamental value. In addition to the yearly spring and fall seminars that explore the spectrum of the scientific, clinical and technological aspects of prosthodontics, the Society presents numerous courses on many aspects of modern prosthodontic and technological practice.

Central to the mission of the NGS is developing the leadership potential and skills of its' less experienced members. The Society encourages, mentors and rewards professional maturation. The attainment of fellowship is an integral part of this process.

The goal is to establish a vehicle for personal growth, while providing for the future leadership of our Society and the prosthodontic community.

The characteristic that defines and underscores the unique nature of the NGS is the inclusion of dental technologists as members, fellows, executive board members and officers of the Society. The founders understood the relationship and inherent synergism that exists between all members of the dental community. This synergism is the essence of the creative process, which ultimately is the distillate of our intellectual pursuit. This understanding distinguished the early NGS leadership and was instrumental in developing the philosophy and direction of the organization.

## 2-Candidate Eligibility

The Northeastern Gnathological Society encourages all members to pursue Fellowship in the organization.

To become a Fellow the candidate must demonstrate a superior knowledge and understanding of treatment planning, form and function and excellence in the execution of advanced prosthodontic procedures.

This is done by presenting one complete reconstruction to the examining committee and defending the choices you made. Options for technologists are listed below under Case Selection

Candidates for Technical Fellowship must be practicing dental technicians and be members in good standing.

Mentoring is available to candidates to assist in case selection and preparation for the Fellowship examination.

Completed applications should be submitted to the *dental fellowship chair* or the *technical fellowship chair*

### 3- The Examination process.

The examination consists of a case presentation by the candidate and oral examination by the fellowship committee.

The successful candidate will be able to discuss and demonstrate the methods and rationale applied in the restoration of the case presented. Topics include establishing and recording the centric position, method and rationale for creating posterior occlusion, anterior guidance and the determination vertical dimension of occlusion.

The execution of the treatment plan including the transfer of materials and information between the Doctor and Laboratory technologist as well as fabrication methods will be reviewed.

### 4-Case selection

There are two pathways for technologists to demonstrate competency to the examining board

1- Present a complete reconstruction case as it is currently outlined

-Or-

2- Demonstrate a complete reconstruction on a set of models with records that are provided by the examining board.

The candidate will be required to perform all the steps involved in a complete reconstruction and present a case that would normally be ready to deliver for placement in the mouth. This includes diagnostic waxing, through to completed ceramics.

In addition, the candidate would be required to present a less extensive practical case that has been seated.

The practical case should consist of a complete maxillary arch, posterior quadrants or similar design where the candidate could

demonstrate their practical skills and discuss their understanding of the process necessary to construct a functional occlusion.

Cases should be mounted with appropriate fully or semi-adjustable instrumentation. You should be prepared to explain the workings of the instrumentation, methods of obtaining the setting the variables and the implications of those settings.

### **5-Case presentation guidelines**

The examining committee will expect mounted models and photographic documentation of the procedures.

You should have the following materials available for case presentation:

1. Mounted pre-operative casts.
2. Diagnostic wax up or duplication or other aid used to facilitate the case
3. Study casts of provisional restorations. Ideally cross mounted to study casts of the final restorations.
4. Casts of the working dies.
5. Photographs
  - a. Pre-Op
  - b. Provisional restorations or diagnostic wax up.
  - c. Completed case.
  - d. Pre-operative and post operative complete radiographs

Alternative methods may be presented to the extent that they can be demonstrated and their rationale defended.

If a candidate chooses to present a case from the supplied typodont it should be presented with the above guidelines being followed and the case shown as ready to be delivered to a dentist for insertion.

## 6-Oral Examination Topics

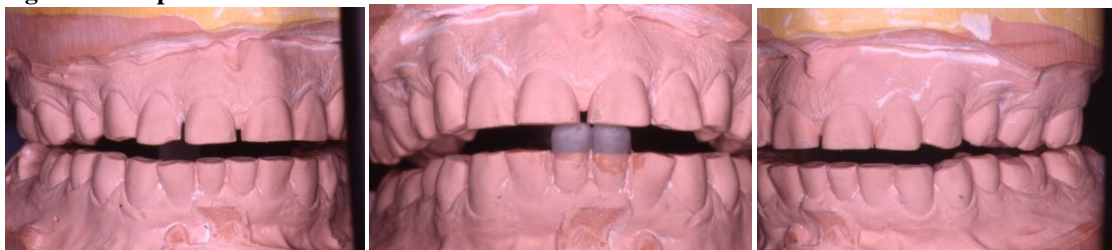
Topics areas for oral discussion include but are not limited to:

1. Explain need for treatment
2. Type of restorations chosen
3. Instrumentation used in treatment of the case
4. Style of occlusion chosen and why
5. Determination of centric occlusion/ centric relation
6. How the vertical dimension was chosen
7. How the treatment plan was executed
8. Any other topic that is relevant

## 7-Sample Case

The following is an example of a case which was successfully presented for fellowship. This case was completed with custom condylar elements which are an acceptable alternative method of recording functional movements.

**Figure 1 Preoperative Casts**



**Figure 2 Preoperative**

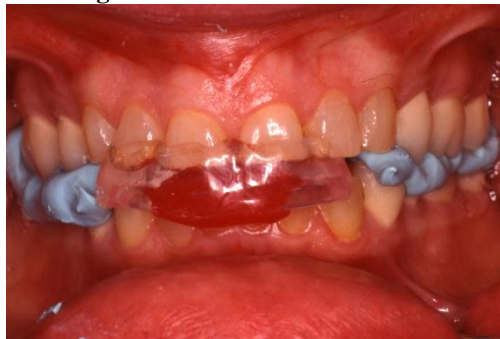


**Figure 3 Lucia jig**



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**Figure 4 Recording centric relation**





**Figure 5** Casts of working dies



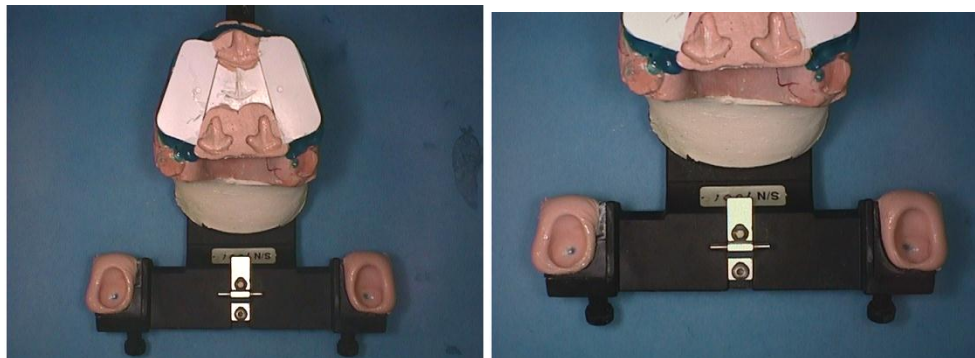
**Figure 6** Prepared teeth



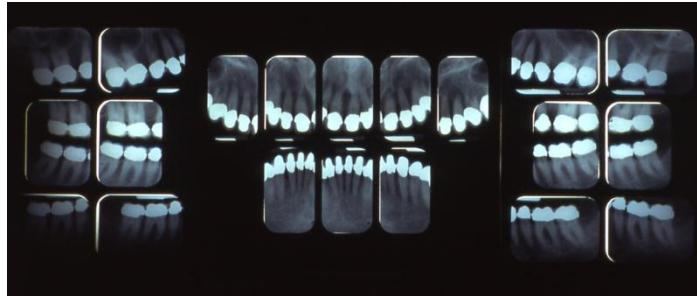
**Figure 7** Clutch fabrication



**Figure 8** Fabrication of custom condylar elements



**Figure 9 Completed case**



For more information on case submission as well as applications, and mentoring opportunities contact:

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