BEST PRACTICES FOR PREDOCTORAL DENTAL CURRICULUM

ORTHODONTICS

Brent E. Larson, DDS, MS
Director, Division of Orthodontics
University of Minnesota
#1
Recognize the challenge predoctoral students face in trying to fulfill clinical procedures
ORTHODONTIC CHALLENGES

- Length of Treatment
- Continuity of Care
- Finding Appropriate Pre-Doc Student Cases
- Student Perception
#2
Assess best practices to ensure predoctoral students and residents on the same site share clinical procedures
BEST PRACTICES FOR “SHARING”

• Physically together in clinic

• Create Win-Win for Pre-doc Student and Resident
  • avoid "us vs. them" by making the patient "our" patient
  • encourage behaviors desired in practice
Outline opportunities for collaboration between generalists and specialists in predoctoral education
COLLABORATION OPPORTUNITIES

• Collaborative patient assessment
• Collaborative determination of treatment options
• Determine treat, observation or referral decision based on patient's best interest
• Encourage behaviors desired in practice
UNIVERSITY OF MINNESOTA
SCHOOL OF DENTISTRY

Student Clinical Expectations Manual

Class of 2016

(Graduate Orthodontic Resident Copy)

Revised 10/26/2015
## ROTATION REQUIREMENTS CHECK-OFF LIST

**Graduation Year**

**STUDENT NAME and ID#**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Signature</th>
<th>Due date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assist/observe and complete orthodontic screening exam</td>
<td></td>
<td>Monday</td>
</tr>
<tr>
<td>Assist/observe and complete orthodontic screening exam</td>
<td></td>
<td>Tuesday</td>
</tr>
<tr>
<td>Referral letter to an orthodontist (using the information from your Monday’s orthodontic screening exam)</td>
<td></td>
<td>Tuesday am</td>
</tr>
<tr>
<td>Assist/observe and complete orthodontic screening exam</td>
<td></td>
<td>Wednesday</td>
</tr>
<tr>
<td>Competency</td>
<td></td>
<td>Wednesday</td>
</tr>
<tr>
<td>Assist/observe and complete orthodontic screening exam</td>
<td></td>
<td>Friday</td>
</tr>
<tr>
<td>Place and tie-in archwires</td>
<td></td>
<td>Friday pm</td>
</tr>
<tr>
<td>Untie and remove archwires</td>
<td></td>
<td>Friday pm</td>
</tr>
<tr>
<td>Assist with an initial bonding procedure</td>
<td></td>
<td>Friday pm</td>
</tr>
<tr>
<td>Observe a Hawley delivery/adjustment</td>
<td></td>
<td>Friday pm</td>
</tr>
<tr>
<td>Assist/observe taking initial records (photos, radiographs or impressions)</td>
<td></td>
<td>Friday pm</td>
</tr>
</tbody>
</table>

This form is due on Friday afternoon.
EXAMPLE OF REFERRAL LETTER

Dear Dr. [orthodontist’s name],

I am referring to you [patient’s name] [age], a [gender] year old female/male patient of mine. His/her chief complaint is [complaint].

Her medical history includes [findings] and her dental history includes [findings]. Currently he/she is taking the following medications: [medications] [if appropriate: list meds here with dosage and purpose].

The intraoral examination reveals:
Type of dentition, periodontal condition, oral hygiene status, TMs, molar relationship (left and right), canine relationship (left and right), overbite, overjet, crossbites (with or without functional shift), arch circumference (maxilla and mandible), midlines, and any other relevant finding.

The extraoral examination reveals:
Facial type and structure, profile type (convex, straight, concave), maxillary and mandibular sagittal relationship (retrognathic, orthognathic, prognathic), face height, lips at rest, incisor and gingival show upon smiling, and any other relevant finding.

Please perform your initial assessment and let me know if any further work is needed. I believe he/she would benefit from [comprehensive orthodontics].

Thank you,

Dr. __________________________
Date __________________________
STUDENT RESPONSE

Graph showing student responses:

- DDS 6181: 6.4
- Ortho Courses: 6.4
- All Courses: 5.1
“The hands-on learning was a great way to get real life knowledge on the topics and a comfortable environment to be able to ask the residents questions that I had.”

“I would love for the rotation to be more extended with more hands on planning and pt interaction, more referral practicing, maybe start in doing simple cases so we learn how to do things that might be done in private practice by GP!!”
Ortho – Pedo Collaboration

Create Win - Win