

COURSE NAME : 60.61 Steps of the Orthodontic Debanding Appointment

COURSE DESCRIPTION :

60.61 The Orthodontic Debanding Course

Presentation: **55 minutes** Run Time, Knowledge Quiz: **28 Questions, 4 CE Credits**

Contents of The Orthodontic Debanding Course

This course trains the student in the important concepts for safe removal of bands and brackets from a patient's teeth. It also teaches that, as evaluated by scanning electron microscopy (SEM) research, the best method of removal of bond adhesive from tooth surfaces is with a 30-fluted carbide finishing bur in a high-speed handpiece followed by polishing the enamel surface with a rubber point designed for this purpose. This method of removal of adhesive results in a smooth enamel surface with a high shine. Whereas, use of an adhesive removing plier often results in scarring and gouging of the enamel surface that is then prone to decalcification and decay.

If taught how to perform this procedure, orthodontic assistants can be as safe an orthodontist or dentist in performing adhesive removal with a high-speed handpiece. In fact, safe removal of composite aligner attachments or bonding adhesive is not even taught or mentioned in dental school or in orthodontic residency programs. It is assumed that dental students will figure out how to do this.

However, in this course, orthodontic assisting students are cautioned to know the Dental Practice Act for the state in which they are practicing to determine if it is legal for licensed orthodontic assistants to perform any procedures with a high-speed handpiece. Some states may require orthodontic assistants to carry liability insurance as registered dental hygienists are required to do.

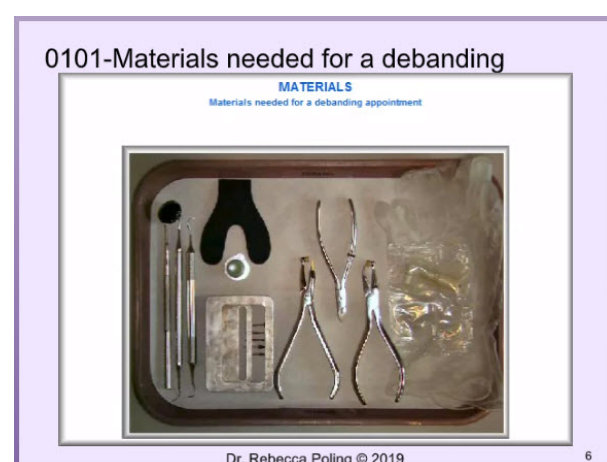
Goal: The goal of this course is to train the student in all of the details that are important to know to remove cemented bands, bonded brackets, and other orthodontic attachments from the teeth of a patient and then restoring the teeth to a high shine.

Objectives: At the conclusion of this course, the student will be able to:

1. Gather the materials used in debanding
2. Perform the necessary procedures before the patient arrives
3. Seat the patient and determine any patient concerns
4. Have the doctor check and evaluate concerns
5. Remove bonded brackets
6. Remove cemented bands
7. Remove bond adhesive and band cement completely
8. Ask the doctor to complete finishing procedures
9. Complete all final procedures after the debanding

Sections of The Orthodontic Debanding Course


1. Materials for Debanding



2. Other materials used when debonding brackets

0102- Other materials used in debonding

MATERIALS
Other materials used when debonding brackets




DESIGNED FOR FAST AND SAFE GROSS REDUCTION OF BONDING MATERIAL
2003-08-04
OPERATOR CAUTION: Excessive pressure can adversely affect enamel

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3. Pre-appointment Procedures

0201- Set up clinic unit

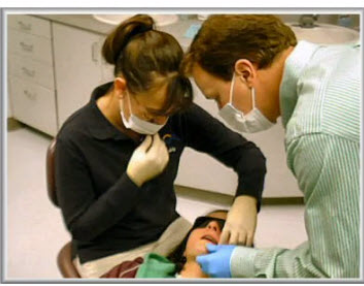
PREAPPOINTMENT PROCEDURES
Set up clinic unit
Gather all materials



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0202- Note special procedures

PREAPPOINTMENT PROCEDURES
Note special procedures
Discuss with orthodontist




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4. Seat the Patient

0203- Confirm type of retention to be used


PREAPPOINTMENT PROCEDURES
Confirm type of retention to be used
If bonded retention, gather materials



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0301- Seat the patient

SEATING THE PATIENT
Seat patient
Calculus, stain, or debris




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5. Request that the orthodontist check

0401- Request that the orthodontist check

HAVE THE DOCTOR CHECK
Request that the orthodontist check
The Doctor should check: Patient's occlusion




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6. Bonding Lingual Retainers Before Debonding

0501- General concepts of bonding lingual retainers

BONDED LINGUAL RETAINERS
General concepts of bonding lingual retainers
Arch wire of the braces helps hold the loops when placing the bonded retainer



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7. Plan debanding sequence and a Progressive Debanding

0601- Plan debanding sequence

REMOVAL OF BONDED BRACKETS

Plan debanding sequence

Remove ties and chains from all bands



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0601- Plan debanding sequence

REMOVAL OF BONDED BRACKETS

Plan debanding sequence

"Progressive debanding"



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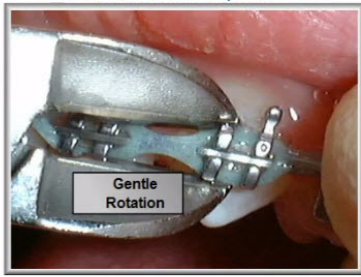
8. Removal of bonded brackets on the archwire

0602- Removal of bonded brackets from the teeth

REMOVAL OF BONDED BRACKETS

Removal of bonded brackets from the teeth

Do not cause trauma or stress to the teeth or discomfort to the patient



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0602- Removal of bonded brackets from the teeth

REMOVAL OF BONDED BRACKETS

Removal of bonded brackets from the teeth

Remove all brackets attached to archwire




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9. Removal of bonded brackets from the maxillary arch


0603- Video: Removal of bonded brackets from the mandibular arch



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0604- Video: Removal of bonded brackets from the maxillary arch



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10. Removal of Archwire with brackets attached

0604- Video: Removal of bonded brackets from the maxillary arch



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11. Debonding self-ligating brackets

0606- Debonding self-ligating brackets

REMOVAL OF BONDED BRACKETS

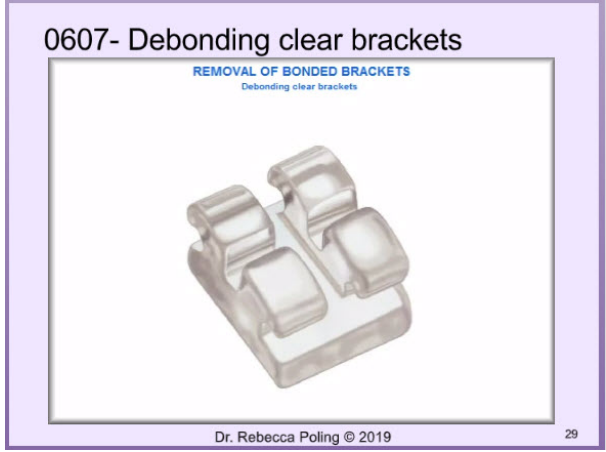
Debonding self-ligating brackets



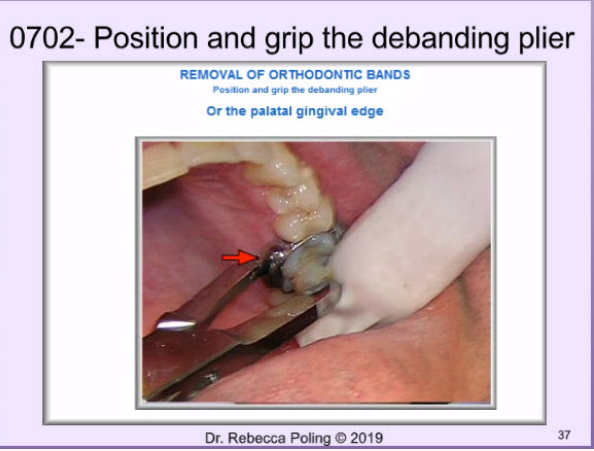
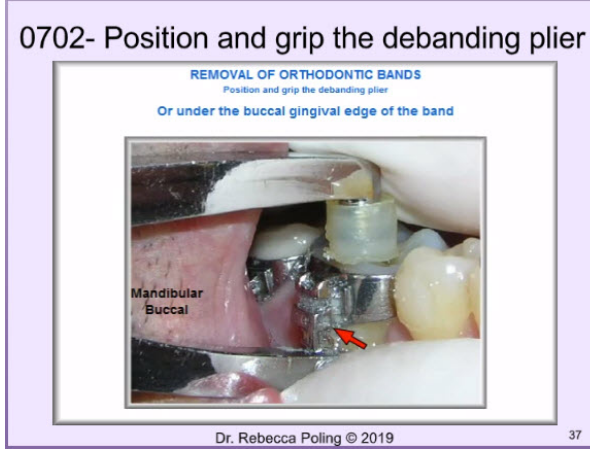
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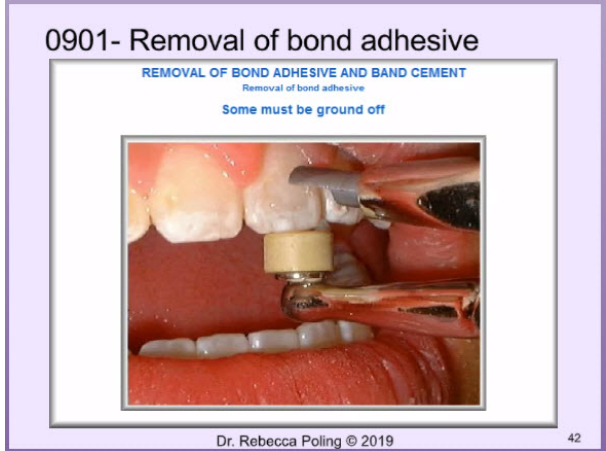
12. 0607-Debonding clear brackets



13. Removal of Orthodontic Bands



14. Chip off Bond Adhesive



15. Bonding Adhesive is Dull, Enamel is Shiny



16. Video: Adhesive removal with a flame finishing bur in the mandibular left posteriors



17. Video Removing adhesive from the mandibular anteriors

0907- Video- Removing adhesive from the mandibular anteriors



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18. Video Removing adhesive from the mandibular right posteriors

0908- Video- Removing adhesive from the mandibular right posteriors



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19. Video Removing adhesive from the maxillary left posteriors with barrel and flame burs

0910-Video-Removing adhesive from the maxillary left posteriors with barrel and flame burs



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20. Video Removing adhesive from the maxillary anteriors

0911- Video- Removing adhesive from the maxillary anteriors

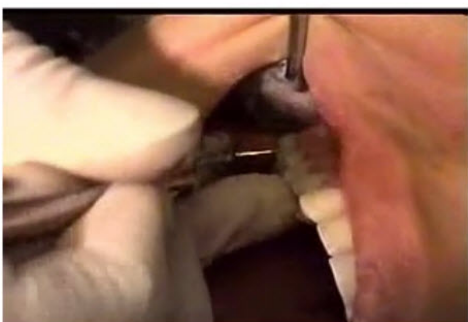


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21. Video Removing adhesive in the maxillary right using different fulcrums

0912- Video- Removing adhesive in the maxillary right using different fulcrums



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0912- Video- Removing adhesive in the maxillary right using different fulcrums



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22. Scaling and Curetting if needed

0915-Video-Scaling in the maxillary anteriors



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23. Polish with rubber points

0918- Polish with rubber points

REMOVAL OF BOND ADHESIVE AND BAND CEMENT
Polish with rubber points



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0919-Video-Polishing the maxillary arch with a Brownie rubber point



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24. Polishing with Greenie rubber points

0922- Video- Polishing the mandibular arch with Greenie rubber points



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25. Polish with fluoride prophyl paste

0923- Polish with fluoride prophyl paste

REMOVAL OF BOND ADHESIVE AND BAND CEMENT
Polish with fluoride prophyl paste

Flare the edge of the cup under the gingival margin



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26. Polishing Porcelain Procedures

0926- Porcelain procedures

REMOVAL OF BOND ADHESIVE AND BAND CEMENT
Porcelain procedures

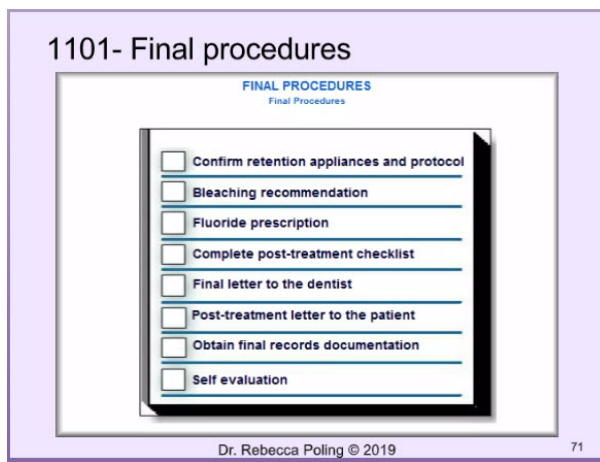
Are helpful in restoring a high shine
on the surface of the porcelain



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27. Final Procedures



Course Resources:

This course includes the following resources:

1. The **Orthodontic Debanding Script** which is a script of the narration of this presentation.
2. The **DB01-Debanding Steps Checklist** which lists each step you should do when you are doing a debanding.
3. The **DB02-Debanding Result Quality 7-7 Checklist** which you may use to check the quality of your debanding, and
4. The **Post-treatment Consult Checklist**. In practice I did a Post-treatment consult with every patient and sent a letter with pre- and post-treatment photos to the dentist and to the patient with a summary of what happened. This was effective marketing for my practice.

These resource documents are provided to help the student learn and retain the important concepts of the course. The checklists are designed for the student to learn a standard for completing the Orthodontic Debanding. Also, the student needs to know when the steps have resulted in the highest standard of performance, and if not, what are the problems the student should correct to achieve a high standard.

Learning Activities of the Course

The learner views this course presentation as many times as it takes to understand the important concepts, which may be measured by answering the 28 embedded quiz questions correctly. These quiz questions help the learner focus on the important points. Then the learner rests his/her brain so the learning can be transferred to long term memory. Then the learner takes the Knowledge Quiz for the course to measure his/her learning of the objectives of the course. There is one Steps Checklist and one Quality Results Checklist to help the student learn the steps of this procedure and evaluate the quality of the results of the procedure.

SCORM Tracking of Each Student's Learning Activities and Recording on the Student Dashboard Report

Each student's learning activities such as correctly answering presentation embedded quiz questions, presentation viewing time, Knowledge Quiz completion time, Knowledge Quiz Score, and other learning data, are tracked so that a "learning analysis" can be done for each student and for the quality of each course. This data documents student performance and reports it on the Student Dashboard as well as in the Gradebook. This holds the student accountable for learning. In the future, student performance of this procedure in the clinic may be used to identify students who have not learned to actually perform the procedure, so that intervention can be made to help the student become proficient. No data is share with any entity. If data is ever used for learning research, all data will be de-identified following research protocol.

Who should take this course?

All orthodontists, orthodontic residents, and orthodontic assistants should learn and be able to perform this procedure when they are in training.