Vertex Dental Academy

Training program
Introduction

Vertex Dental Academy’s success over the past few years is the result of a combination of research and daily practice. We’re planning on being even more successful in the future.

More and more the Vertex Dental Academy is regarded as an institute for training and in-service training, nationally as well as internationally. Because the production process of dentures consists of several essential stages, it is very important that each aspect gets the right attention.

To get a clear insight into such a process, we set up the training sessions in such a way that all steps will be clearly explained in short. The objective of these training sessions is to improve quality by transferring and sharing know-how, both contributing to a predictable final product. This eventually will result in cost savings and higher quality of the people and the products within your laboratory.

This brochure contains 7 different courses tailored to be put into practice. We look forward to meeting you during one of our training sessions.

Onno Blok
Jan Willem Carelse

Vertex Dental Academy

Training program

<table>
<thead>
<tr>
<th>Training program</th>
<th>page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transferring wax denture with pouring acrylic</td>
<td>4</td>
</tr>
<tr>
<td>High Impact acrylic on implantological work</td>
<td>4</td>
</tr>
<tr>
<td>Using acrylic on frames</td>
<td>5</td>
</tr>
<tr>
<td>Authentic pressing method</td>
<td>5</td>
</tr>
<tr>
<td>Soft base</td>
<td>6</td>
</tr>
<tr>
<td>Set up with Quint teeth</td>
<td>6</td>
</tr>
<tr>
<td>Repairing &amp; Rebasing</td>
<td>7</td>
</tr>
</tbody>
</table>
Pouring is becoming more and more popular, because people want a system that combines clean work, speed and precision. The Vertex pouring system meets all these requirements. This technique can be applied to practically all dentures.

**Subject matter**
- Positioning of wax model
- Pouring the gel in the Castaflask
- Taking out the denture
- Stabbing the pouring and ventilation canals
- Repositioning the teeth

**Objective**
The objective of this course is not only to give the student an idea of all possibilities, but particularly that also significant cost savings can be realized in the laboratory.

After completing the course, people are able to implement and apply this technique immediately in their own laboratory.

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**Transferring wax denture with pouring acrylic**

The acrylics produced for a denture on implants must be of prime quality. These acrylics must be able to resist better to sudden impacts that apply on dentures on implants.

**Subject matter**
- Fitting the matrix
- Customizing the denture
- Pressing with a High Impact acrylic
- Polymerization of the denture
- Finishing the denture

**Objective**
The objective of this course is to prevent breaking caused by lack of space, occurring with combination work.

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**High Impact acrylic on implant work**
Using acrylics on frames

The frame denture is a standard element at the denture department. Processing acrylic is done in many different ways worldwide. We consider it our duty to get the students acquainted with the various options there are to manufacture a frame denture. One of the options is to work with a Vertex Putty slot and another way is to apply the pouring technique. Even colouring the frame denture can be done.

Subject matter
- Fixing and embedding of the denture
- Applying the Vertex Putty to protect the teeth

Objective
The objective of this course is to manufacture, in a controlled way, the frame denture in various ways, with a predictable final result.

Authentic pressing method

Pressing is a method known by the denture department for decades. Worldwide it still is the most applied method. This course is considered an exchange of thoughts, but also as foundation of the why. The course includes the production of complete models as well as partial models. Attention is also paid to the protection of the modelation and the set up of the teeth.

Subject matter
- Making Vertex Putty slots in various ways
- Placing back the teeth in the Vertex Putty
- Separation
- Pouring of the moulds
- Finishing the frame prosthesis

Objective
The objective of this course is to be able to work predictably to achieve a final result of the highest quality.
Soft base

The advantages of the soft base become more and more known, in combination with new dentures as well as with existing ones. The reason for producing a soft base often is pain related complaints. The soft base will make dentures more comfortable to wear for the patient. The course includes producing complete new dentures with a soft base. At the end of the polymerization process attention will also be paid to polishing and disinfecting the denture.

Subject matter
- Preparing and embedding of the denture
- Application of the Vertex Putty for protection of the teeth
- Separation
- Preparing the various acrylics
- Trial pressing and pressing
- Polymerization process
- Finishing and disinfecting the prosthesis

Set up with Quint elements

One of the last innovations within Vertex is the Quint teeth. This consists of a 5-layer morphological constructing technique, which provides a diversity in the element and contributes to the chameleon effect. Thanks to this set up course (in accordance with the Gysi method) you can get acquainted with these elements.

Objective
The objective of this course is firstly to become familiar with Quint elements and secondly to learn to make a simple set up in accordance with Gysi.

Subject matter
- Mounting the models
- Lining the models
- Manufacturing baseplates
- Setting up the front elements and molars
- Modelling
- Preparing for the process of wax to acrylic (pressing or pouring technique)
The biggest surprises arriving each day at the dental laboratory are the repairs, additions, rebasing and the broken elements that need repairing. Quality and speed are the key factors here. The dentures often need to be returned to the patient as soon as possible. The course consists of 4 sections, being repairing, extending, rebasing and repairing a tooth. Furthermore various materials with a different setting time will be used.

Subject matter
- Making a model under the repairs
- Grinding the crack
- Preparing and processing acrylic
- Polymerization and finishing
- Engrave the jaw and setting up the teeth for an addition
- Making a Vertex Putty key
- Separation of the model
- Mounting the model when rebasing
- Trimming the dentures
- Returning the denture in the rebase clasp
- Wax up a broken tooth
- Cleaning the tooth
- Applying the acrylic
- Polymerization and finishing

Objective
The objective is to learn to independently perform repairs, extensions and rebase and repair a tooth. The course is meant for the denture department and the dental technicians responsible.