

Wolfgang Kohlbach

# *Dental* Explorer

Windows® 95/98, NT 4.0

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*Dental* Explorer

***Straightforward but brilliant!***

Due to changes in the times and society, communication with patients has had to be redefined. The DENTAL EXPLORER is a completely new patient education software system for dentists and dental technicians with a unique type of presentation.

Demonstrate your advice at the click of a mouse - simplifies continued quality assurance.

Several years of practical preparation work were required to fabricate all the models and dental restorations needed for this extensive project. Expert assistance provided by the Quintessence Publishing Company and the creativity of experienced media specialists were needed to complete this project.

The DENTAL EXPLORER visualizes all types of restoration, based on state-of-the-art cases, making it the perfect system for chairside patient education. This system-independent software includes more than 3500 top class digital real photographs in a previously unheard of quality.

Each type of case can be saved and printed out for the patient to take home. The patient's diagnosis can also be invoked from a data bank and displayed on the monitor. Explanatory video clips can also be activated by clicking the mouse.

You can also use this software for drawing, saving the patient's various standard conditions and calculating prices as well as working with the built-in timer.

As this programme is easy to use, you will be able to master it quickly. It aids planning in dental practices and laboratories as well as being well suited for teaching at universities and technical colleges.

The DENTAL EXPLORER is for consulting, learning and teaching in five languages.

We hope that this programme becomes established for consulting and teaching to simplify working procedures and save time for its users.

Kronberg, July 20, 1999

Wolfgang Kohlbach

## [1.] Set-up

Please insert the CD-ROM into the drive and invoke the "SETUP.EXE" programme. The set-up programme will then run automatically - you have the choice of accepting the options suggested by the programme or entering your own paths etc. If you simply press CONTINUE or NEXT, the programme ought to be set up properly and without encountering problems.

Please bear in mind that the following are required:

Pentium II, at least 166 MHz, 120 MBytes memory available

Graphics card with a colour depth of at least 16 bits and a definition of 800x600 pixels.

Mouse, CD-ROM drive, sound card

What actually happens?

The Microsoft Database Engines are copied into the system directory and all the required programme modules are copied into the Dental Explorer directory.

Once the programme has been set up, the system will re-start.

### Deleting the programme

The system directory includes a file called "Software". This tool can be used for deleting all components from the system. CAUTION: It also deletes your customized data bank.

**If you want to use the data bank again, copy DENTAL.MDB from the DATABASE directory (Dental Explorer programme directory) into another directory in advance. By setting-up the programme again, you simply overwrite the existing file with that saved previously.**

### Setting-up in a network

The Dental Explorer can also be used in a network. Make certain that the users can access the work station with WRITE/READ. Please also take into account that your local processor has to meet all the requirements as the image quality depends on the local processor.

## [2.] Registration

Please don't forget to register. This is essential to ensure that you receive free updates and further details about the Dental Explorer!

Please keep the registration form in a safe place! Should you have to contact our hotline, you will need your personal registration code. You will also need it if you have to install your Dental Explorer a second time.

[3.] Error messages

Problems with the graphics card

The colours look unusual

Use the system control command to check that the graphics card is set to at least 16 Bits=32768 colours (refer to the system requirements)

The image is cut off the monitor

Check that the definition is set to at least 800 x 600 pixels

The programme will not run No error message

Use your Windows Explorer to check the Dental Explorer directory. Is the Dental Explorer.exe programme located there?

Run Programm.exe from the Dental Explorer directory.

The programme will not run Error message: Microsoft Database Engine

With a little patience you can check all the options yourself to ensure that the programme has been set-up properly. Use the "Find" command in Windows to check whether your system has the following files:

Xtras directory in the Dental Explorer programme directory:

DGREL.X32

Windows System directory:

- MSVCRT20.DLL
- VBAR332.DLL
- MSJET35.DLL
- MSVCRT40.DLL
- MSVCRT.DLL
- MSVCIRT.DLL
- MSJINT35.DLL
- MSJTER35.DLL
- MSRD2X35.DLL (must be registered)
- VBAJET32.DLL

Programmes\shared files\Microsoft Shared\DAO:

(must be registered)

- DAO350.DLL (must be registered)
- DAO2535.TLB

These files are essential for the data bank to function correctly!

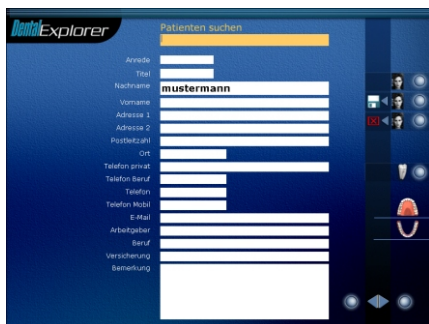
#### [4.] Introduction

Dentists can use the DENTAL EXPLORER to visualize the patient's diagnosis and various types of restoration quickly and easily.

The advantages

- Personal patient consulting
- Various types of restoration are presented attractively
- Pleasant and aesthetic presentation
- Visualizes all types of restoration quickly and in an uncomplicated manner
- Explains the costs of elaborate treatment clearly
- 5 languages: German, English, French, Spanish, Italian
- Very easy to use
- Views can be saved quickly
- Saves the diagnosis and possible types of restoration in a Local Area Network
- Prints out at any time
- Use your own logo by simply replacing a free definable parameter on the processor (Dental.bmp)
- A total of approximately 3,000 features can be visualized

#### [5.] Patient's mask

The screenshot shows the 'Patienten suchen' (Search Patients) window in Dental Explorer. It features a search bar at the top with the text 'mustermann'. Below the search bar is a list of fields for patient information, including: Name (with sub-fields for Vorname and Nachname), Adresse 1, Adresse 2, Postleitzahl, Ort, Telefon privat, Telefon Beruf, Telefon, Telefon Mobil, E-Mail, Arbeitgeber, Beruf, Versicherung, and Behandlung. On the right side of the form, there are several icons representing different patient types or services, such as a person, a person with a cross, a person with a tooth, and a person with a crown.

All the patient's details are located here. This section not only includes the patient's address, but also other details such as whether he is a health service or private patient and profession etc.

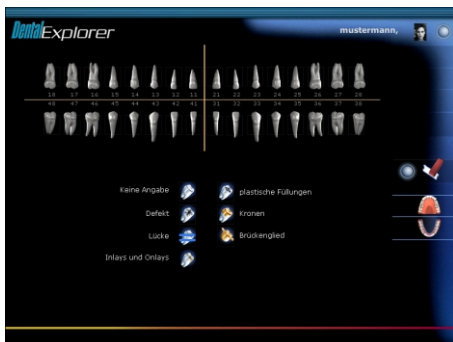
It is very easy to find a particular patient. Simply type the first letters into the "Find" line and all corresponding patients will be displayed. Any changes to the patient's mask will be saved

automatically upon closing it. You will not be asked again whether you really want to save this data.

## Data bank links

In principle, the data bank can be linked to other patient education systems. As numerous different products are available, there is no standardized type of link. The patient data bank is not password-protected and the "Patient.mdb" data bank file can be opened with Microsoft Access to import your files. Access includes assistants which import files easily. You simply have to allocate your current data items to the existing items.

## [6.] Status mask



As the name implies, this mask saves the patient's current diagnosis using a dental chart. Only the most important points are included, for example:

Once the diagnosis has been entered, it is saved in the data bank automatically when exiting the mask. The diagnosis appears in the maxilla or mandible once you have activated the relevant

button on the right hand side of the monitor. Should you already have planned and saved a restoration for the same patient, it will be displayed automatically in the maxilla or mandible and does not need to be designed again.

## Using the patient's mask

Click on a tooth in the dental chart with the right mouse button - a pulldown menu appears and is used for determining a diagnosis for this tooth. This diagnosis can be copied by dragging the symbol to another tooth with the left mouse button. Or you can simply drag the icons from the bottom half of the monitor straight to the tooth. The eraser on the right hand side of the monitor can be used to delete all entries. All entries are saved automatically when exiting this page. From this page you can proceed to the maxilla or mandible or the patient's mask. The particular patient's name appears at the top right hand edge of the monitor.

## [7.] The menus



The main view (upper occlusal or lower occlusal view) includes 2 main menus:

"Options" menu (PC symbol):

Includes all entries which are important for operating the programme.

"Restorations" menu (tooth symbol):

Lists all types of restoration.

You can also click the menu on the right hand side of the monitor to select a type of restoration directly. The selected restoration remains activated until you click the menu again or select a different type of restoration.

## Keyboard control

Instead of using the mouse, various programme functions can be invoked with the keyboard using the following "Short cuts".

- F: Anterior view
- S: Lateral view
- O: Maxilla
- U: Mandible
- P: Patients
- S: Status
- E: Options
- V: Videos
- H: Help
- C: Calculator
- Q: Exit programme

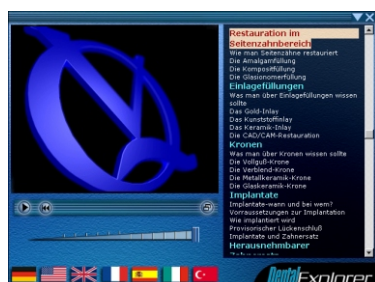
## [8.] "Restorations" menu

You can select from 11 different groups of restorations. Clicking once with the right hand mouse button (anywhere on the monitor) also opens this menu.

The Dental Explorer displays the various types of restoration in the following groups:

Once the group has been selected, a submenu appears to show the various types of restoration. Click softly on the tooth until the desired illustration appears. You can also click the menu on the right hand edge of the monitor to display the item listed in the menu. Then click on the relevant tooth.

## "Videos"



The video button in the bottom right hand corner opens a video player window. You can select from a list of 48 videos in one of 6 languages. Ensure that the latest Microsoft Movie player is installed. The current driver is available in the internet from [www.microsoft.com](http://www.microsoft.com).

"Bucking" of the video may be due to a number of causes. The most reliable method of playing the video perfectly is to install it on your hard disk.

To do so, please copy the "Movies" and "Audio" directories from your CD-ROM into the Dental Explorer programme directory.

## **[9.] "OPTIONS" menu**

Accesses all menu items which are not associated with the actual types of restoration.

### **Overview**

#### **Save patient**

Saves all current types of restoration in a data bank which can be invoked later.

Caution: Data saved previously will be overwritten. The "Dental.mdb" data bank is under "Database" - this data should be saved regularly!

#### **Save alternatives**

You can save up to 4 alternatives. Design the type of restoration required and select this option. 4 figures will be displayed - the allocated alternatives are displayed in reverse order.

#### **Save image**

If you have used the painting tool or wish to continue using the current image, save it in the form of a Bitmap. It will be saved in the "Images" directory of your programme folder. The file name comprises the patient's surname and the current date.

#### **Save image as**

You determine the file name under which the image should be saved. You will be asked to enter a name and directory.

#### **Cutting**

You can "cut" the image currently being displayed and "paste" it into another programme (e.g. Word or Photoshop) - for more details, please refer to the manual provided with your image processing software.

#### **Printing**

Have your patient take a printout home for perusing in peace. Please note that not all alternatives can be printed out simultaneously.

## Patient data

Invoked via the patient's mask.

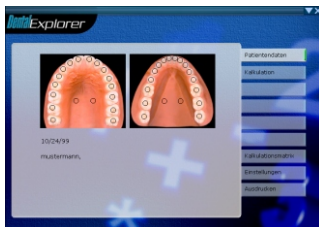
## Status screen

Invokes the status mask.

## Examples

Select from various types of restoration which you can modify and extend yourself. As these data bank entries are not associated with any specific patient, you can design those restorations yourself which are required frequently and invoke them at any time.

## Calculation



This module only provides rough calculations and is not claimed to be complete as it is based solely on those restorations which can be displayed by the Dental Explorer.

## Painting



The painting tools can be used to indicate particular "areas" to the patient.

The image can be printed out or saved using the small symbols on the painting window.

## Timer



Do you need a timer? This mask shows you the time in the top right hand corner. The arrow keys above and below the timer are used to programme the running time. The running time is always displayed when the timer is invoked. The timer mask can also be used to conceal the image currently being displayed by the Dental Explorer from the patient if you leave the surgery briefly.

## Video

Select from 48 videos available in 6 languages. How many patients realize how much effort the various types of restoration involve? You can change the language without having to reactivate the programme.

## Credits

Who was involved in making the Dental Explorer?

## **Reset**

If a patient status has already been saved, this option resets the programme to the status saved previously. If no status has been saved, a flawless dentition is displayed.

## **Change options**

Should you want to change the language or save your opening hours, press this button. Caution, the programme will be reset. All types of restoration saved previously will be deleted unless they have been saved with the "Save patient" option!

## **Exit programme**

Exits the programme.

## **[10.] Support**

Unfortunately we can only provide registered users with E-Mail support

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## **[11.] Updates**

The Dental Explorer consists of modules and can be upgraded as required. Please contact your dealer about additional or updated modules.

## **[12.] System requirements**

Hardware

- Pentium II, 166 MHz
- 32 MB RAM memory (64 MB RAM recommended)
- CD-ROM drive (10 x recommended)
- Hard disk: at least 110 MB resp. 710 MB if the entire programme is installed on the hard disk
- Mouse
- Screen resolution: 1024 x 768 pixels
- Colour depth: 16 bits

Software

Windows 95 resp. 98 or Windows NT 4.0 (SP 4.0)

The running time version and data bank driver must be installed in advance