

Azento®

CBCT to Azento®

– Export protocol for Dentsply Sirona

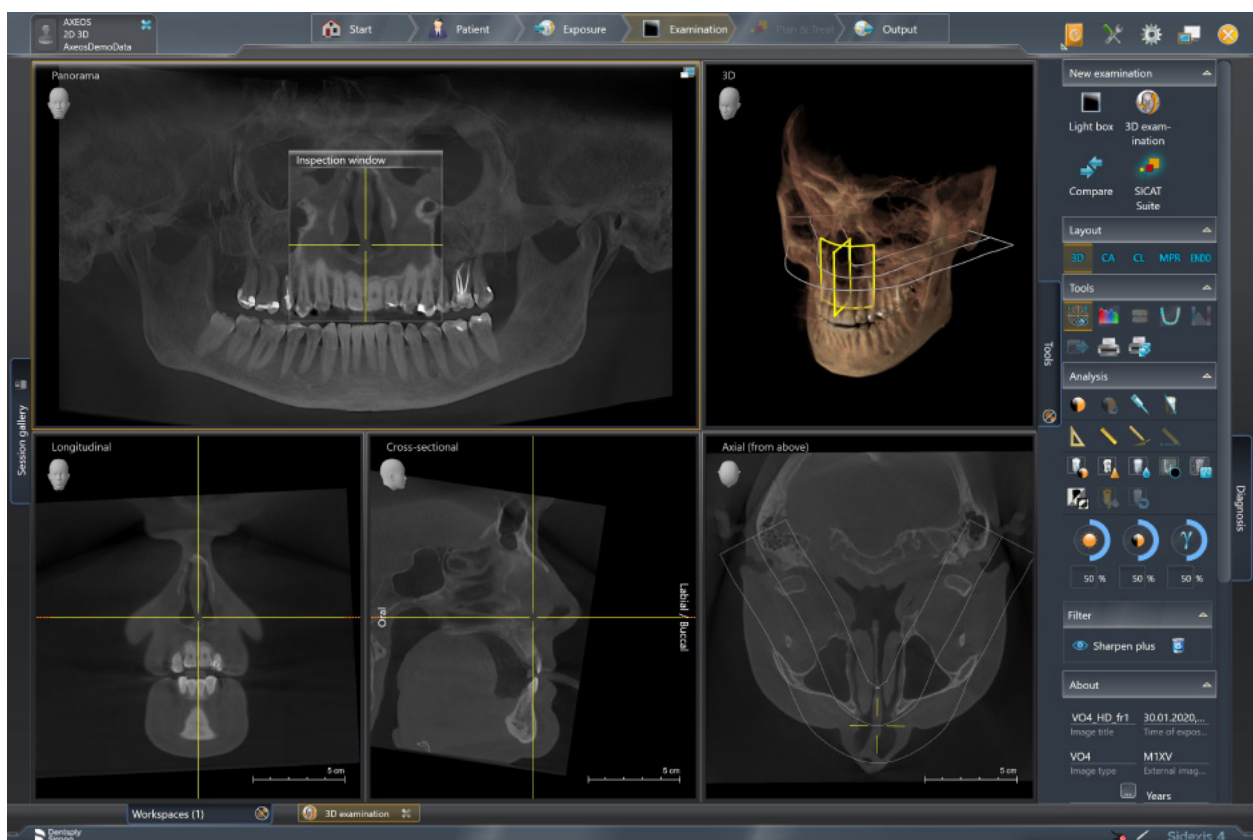
This protocol gives a detailed description of the steps to be followed for exporting your images from the Sidexis software in DICOM format. The export protocol is usable with the Dentsply Sirona software products Sidexis XG v2.5 (or higher) or Sidexis 4 v4.1 (or higher). This protocol aims at an optimal visualization of your images.

Part 1: Sidexis software

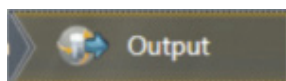
Sidexis 4:

With X-Ray devices Orthophos XG 3D or Galileos:

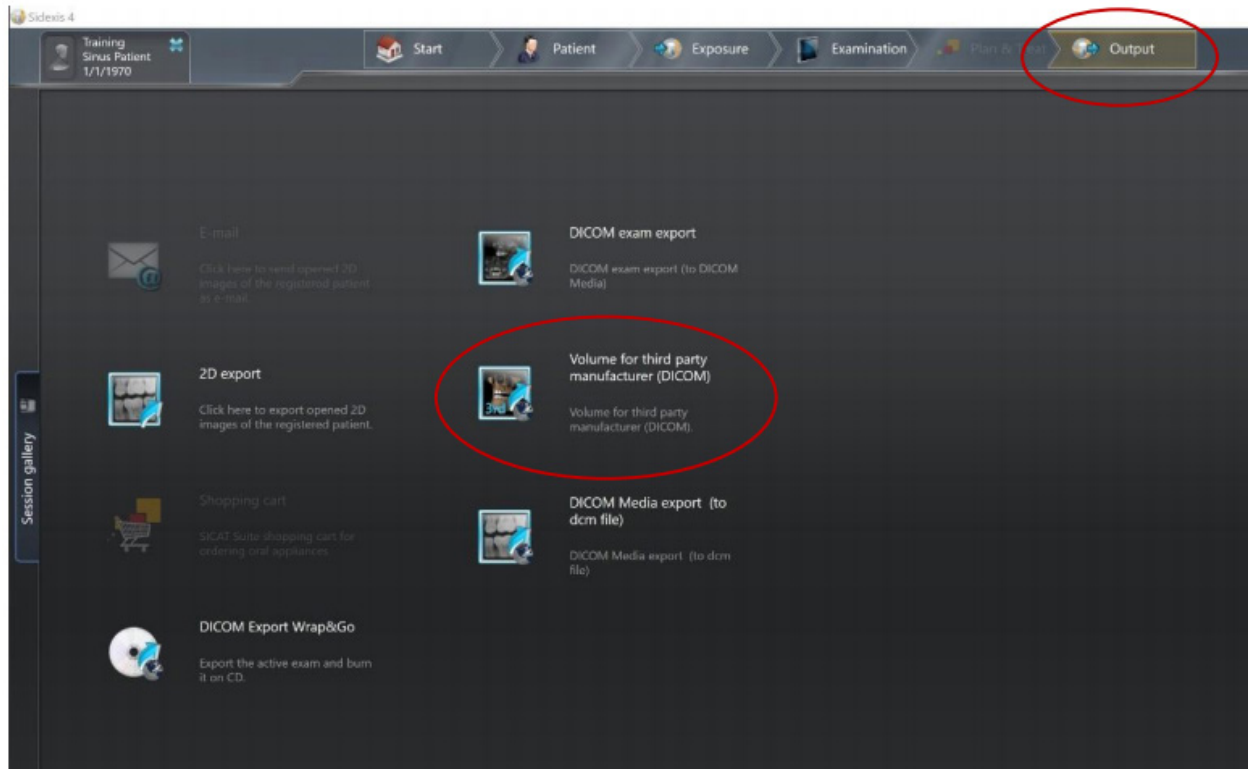
1. Take a scan according to the Dentsply Sirona instructions together with the Simplant clinical instructions.
2. The volume to be exported is opened in Sidexis 4.



3. Go to the "Output" phase.

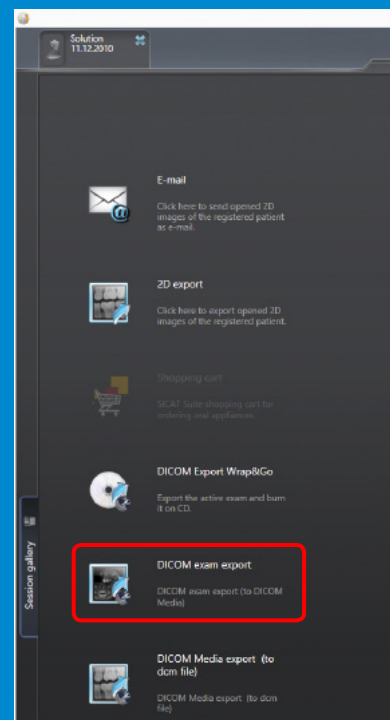


4. In the “Output” phase, choose “Volume for 3rd party”

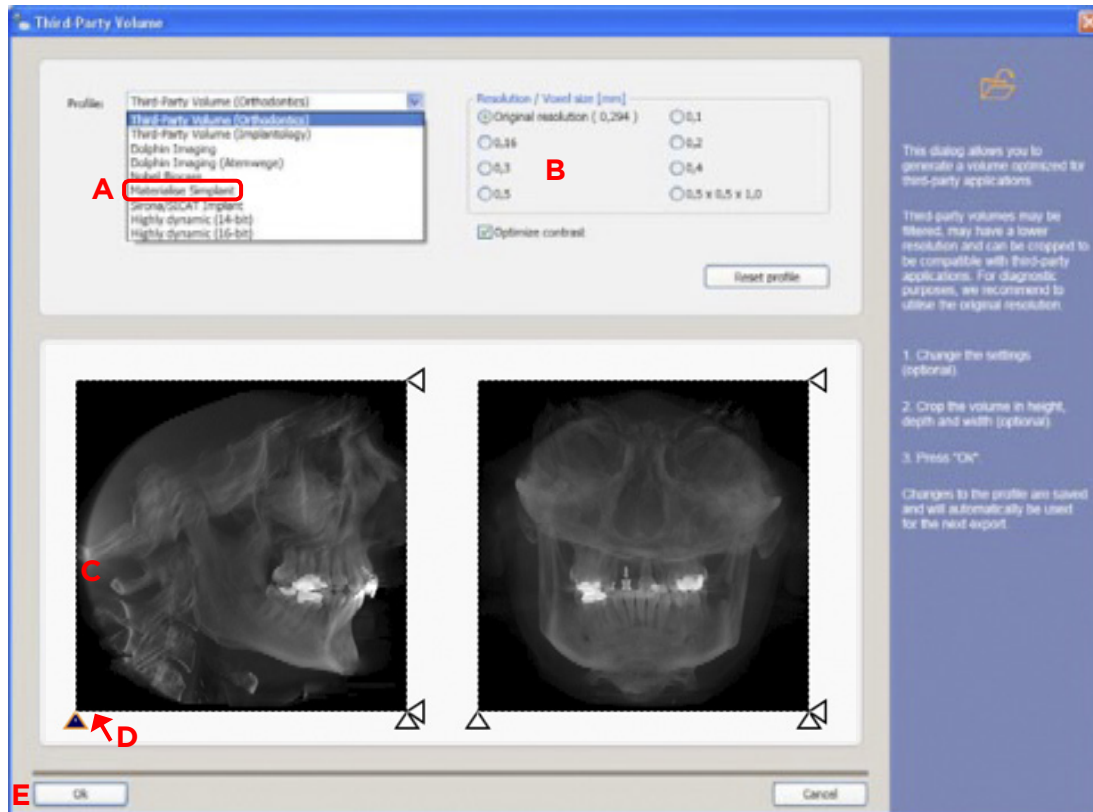


Alternative — With X-Ray devices Axeos, Orthophos S or SL

4. In the “Output” phase, choose the following option:
DICOM Exam Report: Exports the currently opened volume as a DICOMDIR. “DICOMDIR” will create 1 file with all the images together.

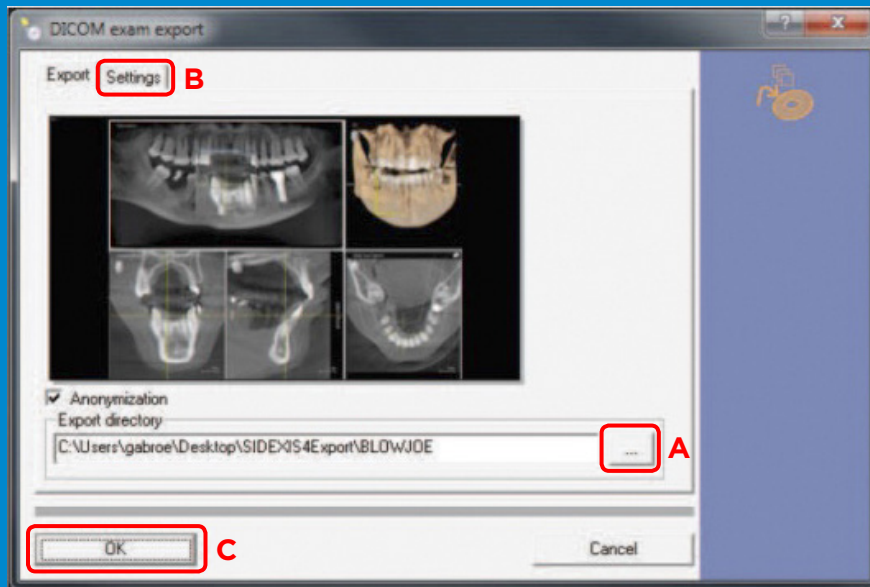


5. The “Third-Party Volume” window opens. Fill out the ‘Settings’ page:
 - a. On the “Settings” page choose “Materialise Simplant” as profile (**A**).
 - b. Choose the desired voxel size (we recommend 0.3mm) (**B**).
 - c. Crop the volume on the “Crop Volume” (**C**) page by (**D**) moving the sliders next to each image.
 - d. Click the “OK” button (**E**) -> The “DICOM volume export” window opens.



Alternative — With X-Ray devices Axeos, Orthophos S or SL

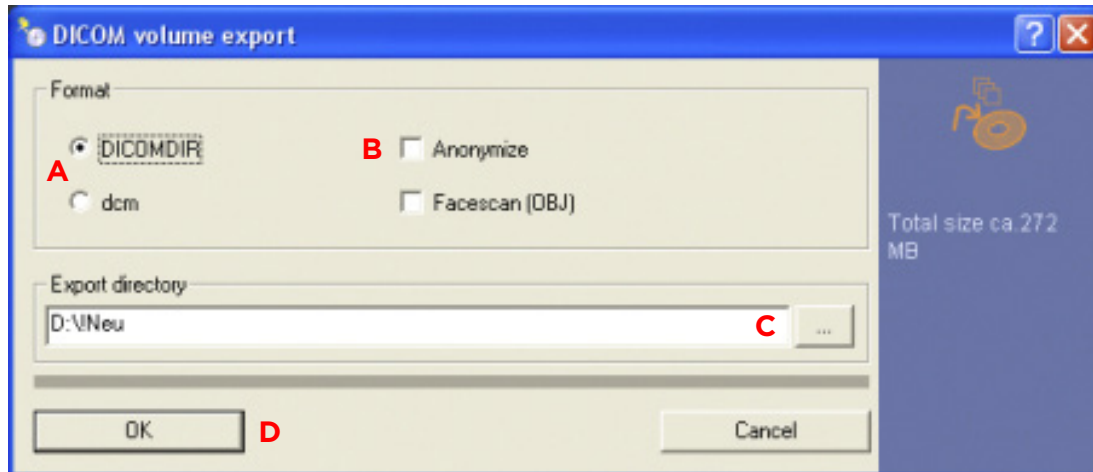
5. All open media items in the work area will be exported. Therefore, make sure that only the 3D volume which shall be exported is opened in Sidexis 4.



- a. Select the desired export directory by clicking on the folder icon (A)
- b. Click on the Settings tab (B)
- c. Select your desired export settings:
 - Select “include main volumes”
 - Select “Include detail volumes”
 - Select “Include raw data”
- d. When you have applied your settings, click on the “OK” button (C)
 - > The DICOM export starts. The data is saved in the selected directory

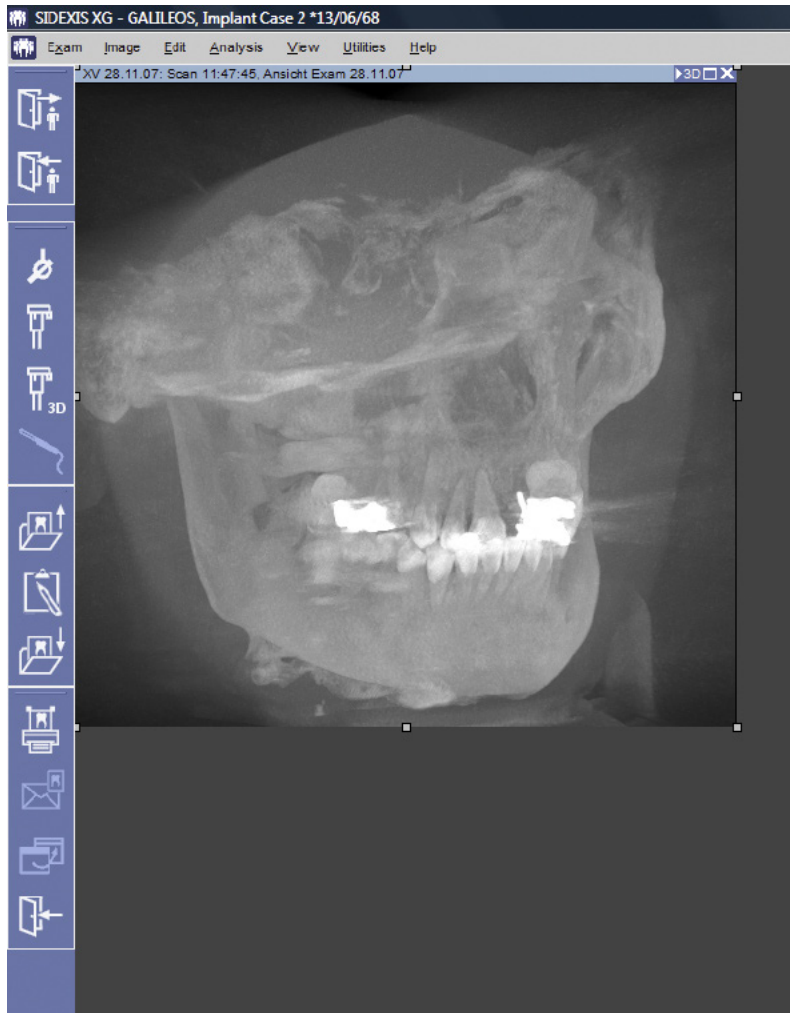
6. Export the scan to DICOM format:

- a. Choose the format (**A**). "DICOMDIR" will create 1 file with all the images together. "dcm" will create a file per image slice. Simplant can work with both.
- b. You can anonymize the patient by selecting "Anonymize" (**B**).
- c. Specify a folder where you want to export the dicom images to by clicking on the browse button (**C**).
- d. Click "OK" to export the scan to DICOMDIR and finish the process (**D**).

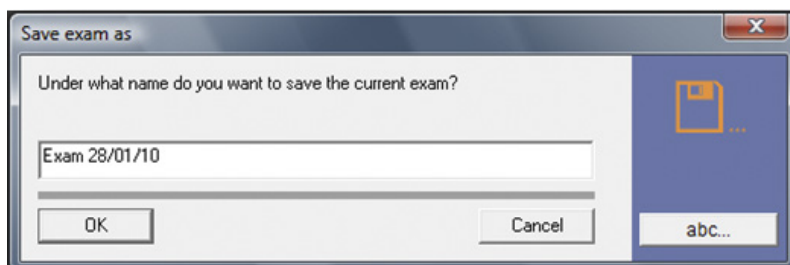


Sidexis XG:

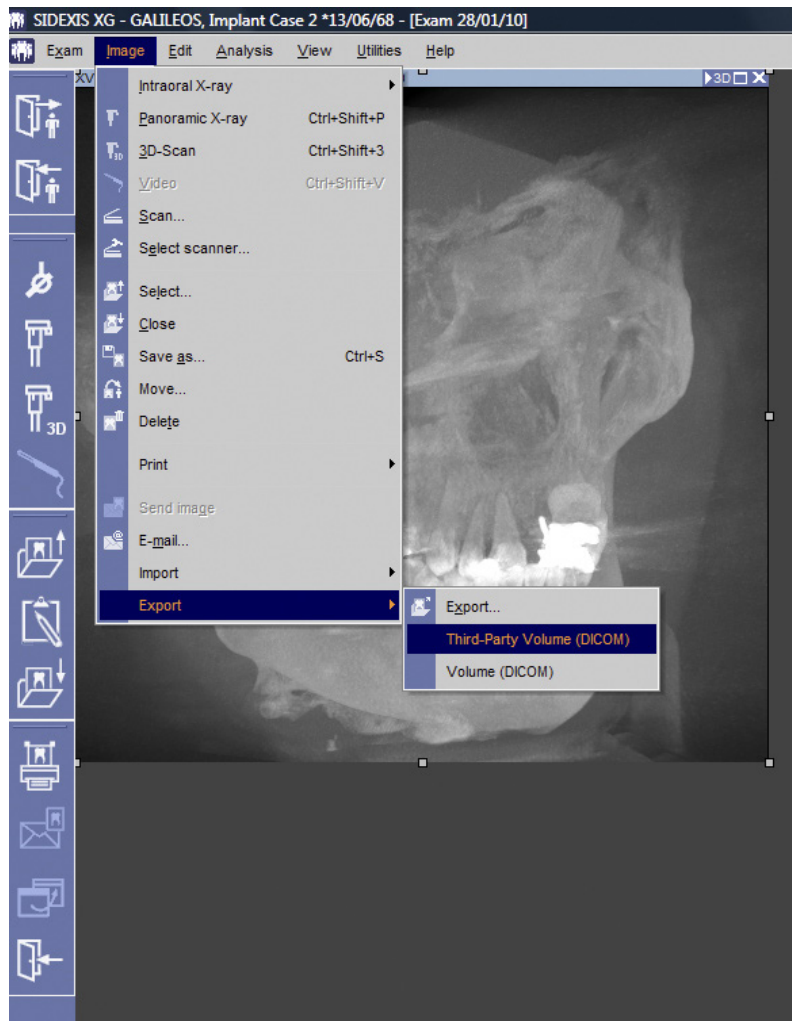
1. Take a scan according to the Dentsply Sirona instructions together with the Simplant clinical Instructions.
2. The volume to be exported is opened in SIDEXIS XG.



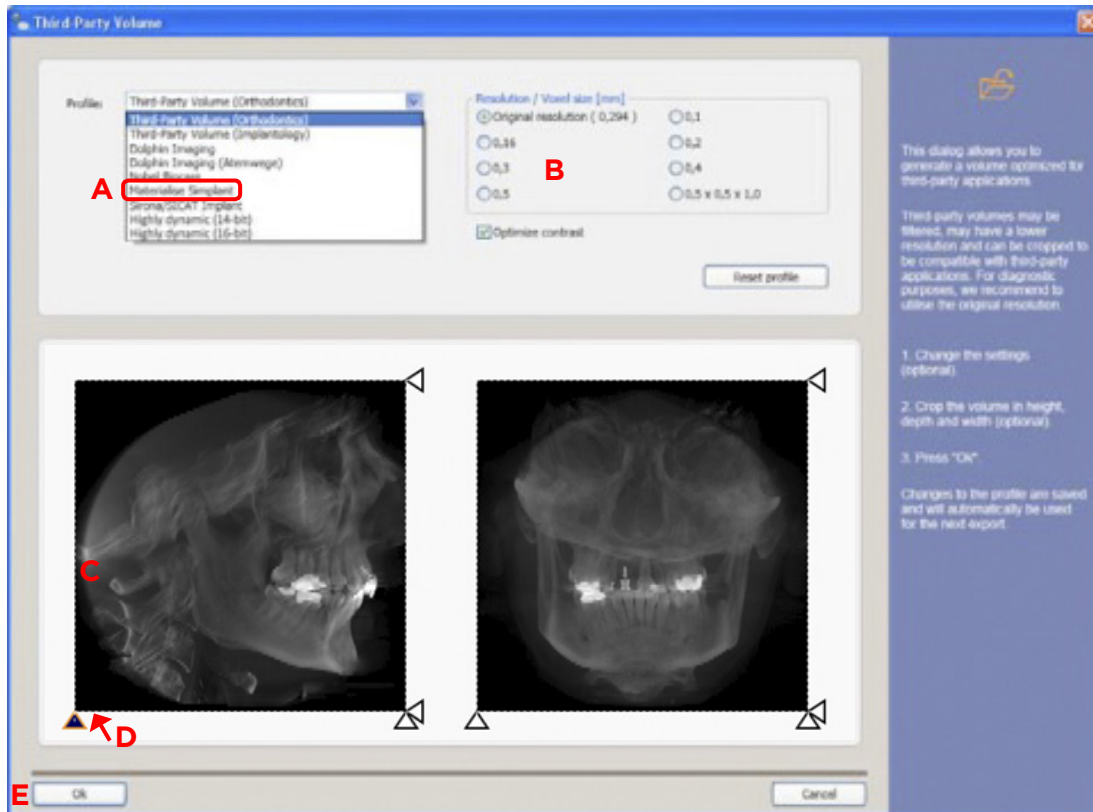
3. Press the "F12" button on your keyboard to save the exam.
4. Fill out the name for the exam and click on the OK button.



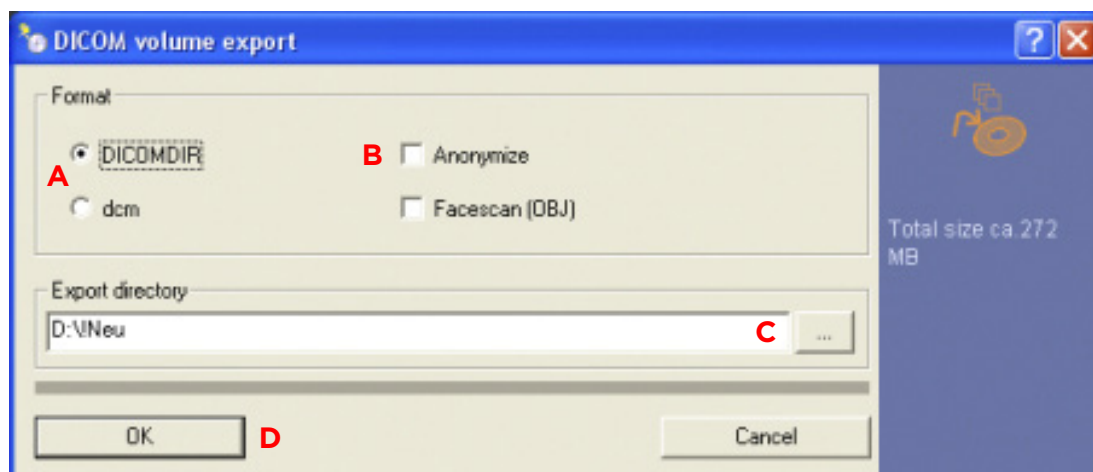
5. In the menu choose Image - Export - “3rd party volume in DICOM-Media”



6. The “Third-Party Volume” window opens. Fill out the ‘Settings’ page:
- On the “Settings” page choose “Materialise Simplant” as profile (A).
 - Choose the desired voxel size (we recommend 0.3mm) (B).
 - Crop the volume on the “Crop Volume” (C) page by (D) moving the sliders next to each image.
 - Click the “OK” button (E) -> The “DICOM volume export” window opens.



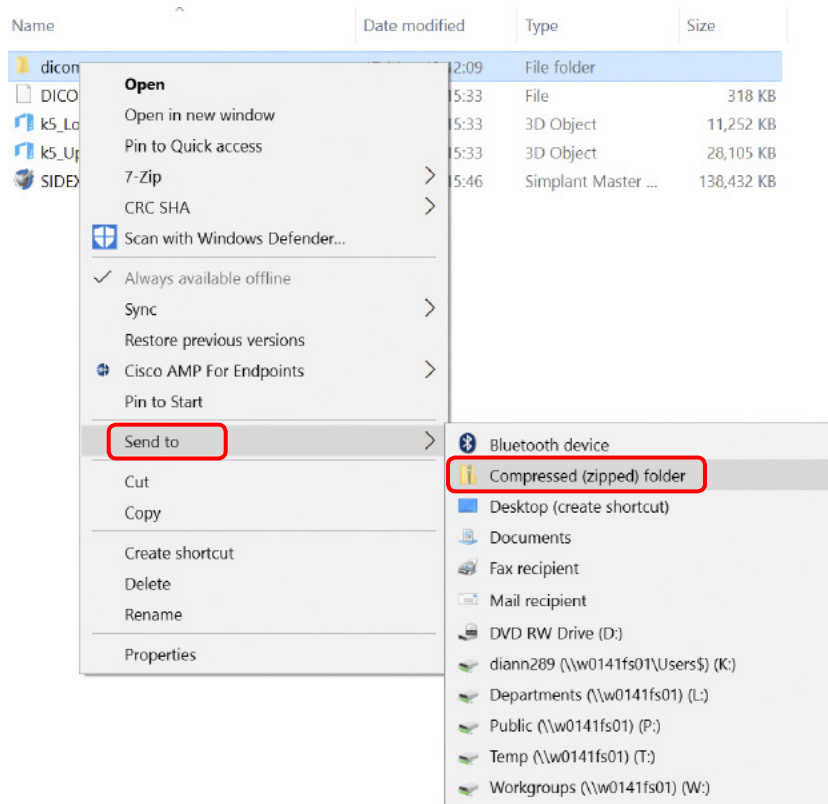
7. Export the scan to DICOM format:
- Choose the format (A). “DICOMDIR” will create 1 file with all the images together. “dcm” will create a file per image slice. Simplant can work with both.
 - You can anonymize the patient by selecting “Anonymize” (B).
 - Specify a folder where you want to export the dicom images to by clicking on the browse button (C).
 - Click “OK” to export the scan to DICOMDIR and finish the process (D).



Part 2: Processing your images

Preparations to order an Azento solution

1. Highlight the DicomRM folder that is created and send to compressed zipped folder.



2. When creating the order on orderdigitalsolutions.com, click 'Browse' and select the DICOMRM.zip folder that was created. Then click 'open' to start the upload.

