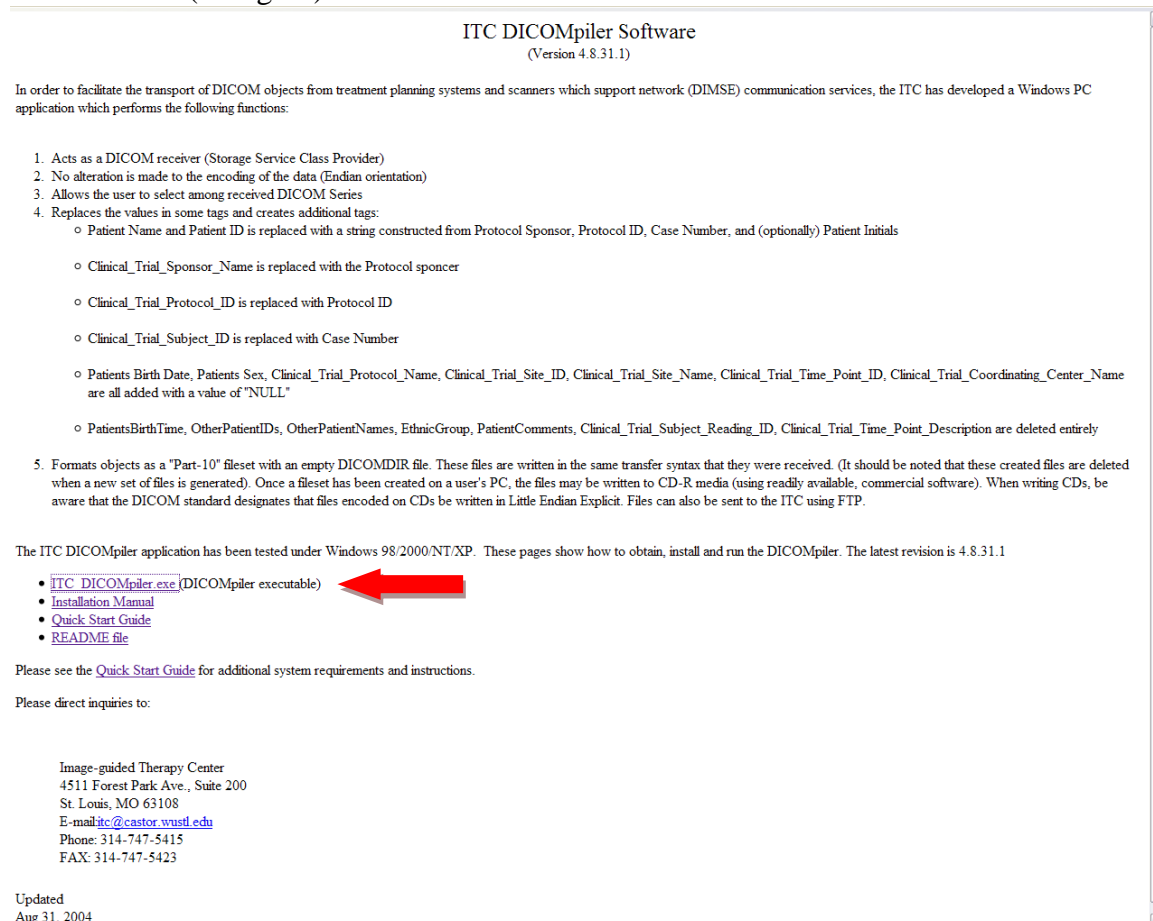


How to use the ITC DICOMpiler software – created by EORTC HQ on 20/04/2010 Checked and approved by Walter Bosch (ITC) on 20 April 2010.

Instructions:

1. Download the software

Download the software from <http://itc.wustl.edu/DICOMpiler/index.htm> and save it to a local folder (1. Figure)




ITC DICOMpiler Software
(Version 4.8.31.1)

In order to facilitate the transport of DICOM objects from treatment planning systems and scanners which support network (DIMSE) communication services, the ITC has developed a Windows PC application which performs the following functions:

1. Acts as a DICOM receiver (Storage Service Class Provider)
2. No alteration is made to the encoding of the data (Endian orientation)
3. Allows the user to select among received DICOM Series
4. Replaces the values in some tags and creates additional tags:
 - o Patient Name and Patient ID is replaced with a string constructed from Protocol Sponsor, Protocol ID, Case Number, and (optionally) Patient Initials
 - o Clinical_Trial_Sponsor_Name is replaced with the Protocol sponsor
 - o Clinical_Trial_Protocol_ID is replaced with Protocol ID
 - o Clinical_Trial_Subject_ID is replaced with Case Number
 - o Patients Birth Date, Patients Sex, Clinical_Trial_Protocol_Name, Clinical_Trial_Site_ID, Clinical_Trial_Site_Name, Clinical_Trial_Time_Point_ID, Clinical_Trial_Coordinating_Center_Name are all added with a value of "NULL"
 - o PatientsBirthTime, OtherPatientIDs, OtherPatientNames, EthnicGroup, PatientComments, Clinical_Trial_Subject_Reading_ID, Clinical_Trial_Time_Point_Description are deleted entirely
5. Formats objects as a "Part-10" fileset with an empty DICOMDIR file. These files are written in the same transfer syntax that they were received. (It should be noted that these created files are deleted when a new set of files is generated). Once a fileset has been created on a user's PC, the files may be written to CD-R media (using readily available, commercial software). When writing CDs, be aware that the DICOM standard designates that files encoded on CDs be written in Little Endian Explicit. Files can also be sent to the ITC using FTP.

The ITC DICOMpiler application has been tested under Windows 98/2000/NT/XP. These pages show how to obtain, install and run the DICOMpiler. The latest revision is 4.8.31.1

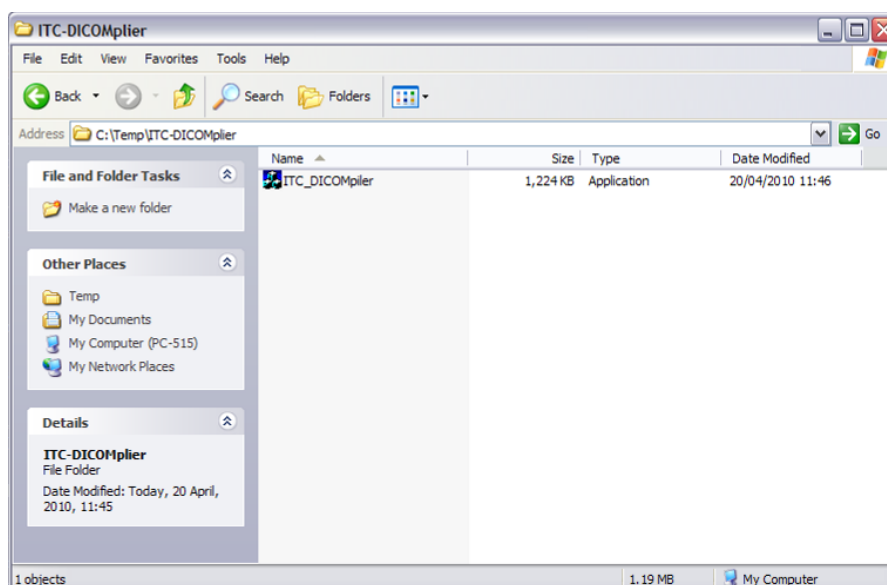
- [ITC DICOMpiler.exe](#) (DICOMpiler executable) 
- [Installation Manual](#)
- [Quick Start Guide](#)
- [README file](#)

Please see the [Quick Start Guide](#) for additional system requirements and instructions.

Please direct inquiries to:

Image-guided Therapy Center
4511 Forest Park Ave., Suite 200
St. Louis, MO 63108
E-mail: itc@castor.wustl.edu
Phone: 314-747-5415
FAX: 314-747-5423

Updated
Aug 31, 2004

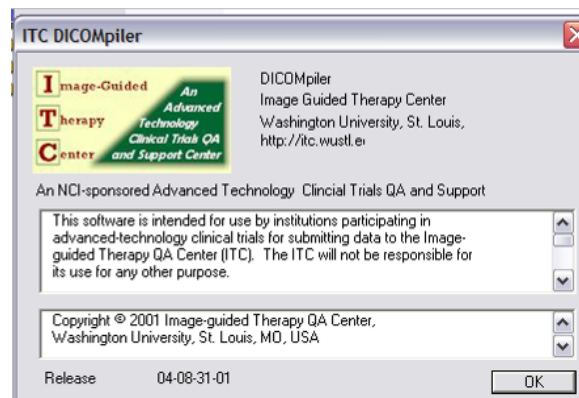


2. Run the application (ITC_DICOMpiler.exe)

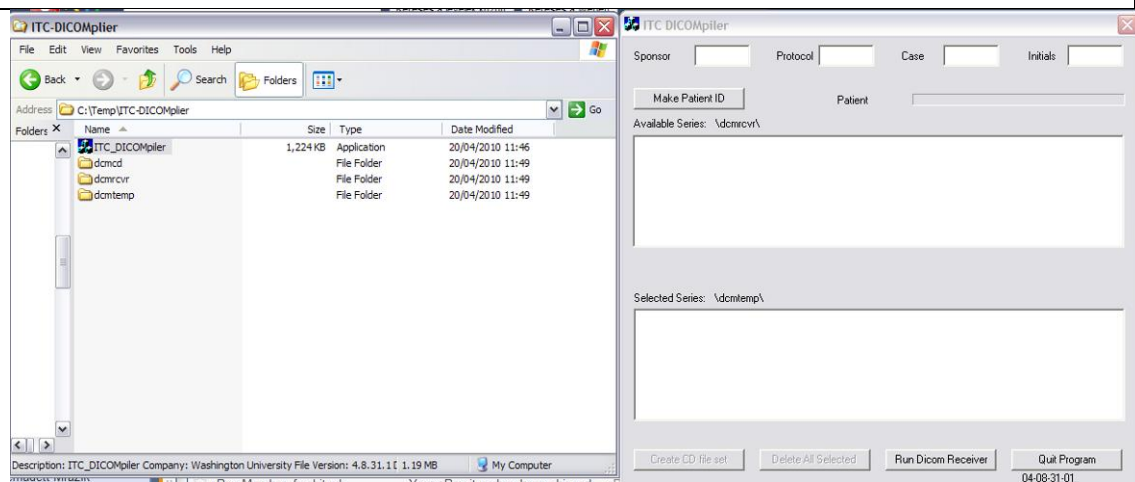


Click on "Run" if there is a Security Warning

3. Click OK on the Disclaimer



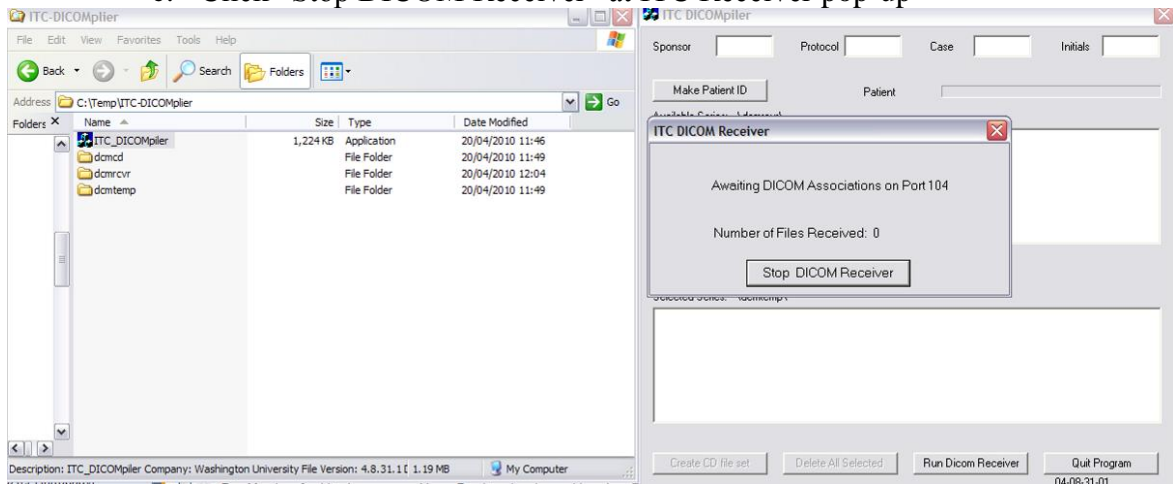
4. Three folders were created



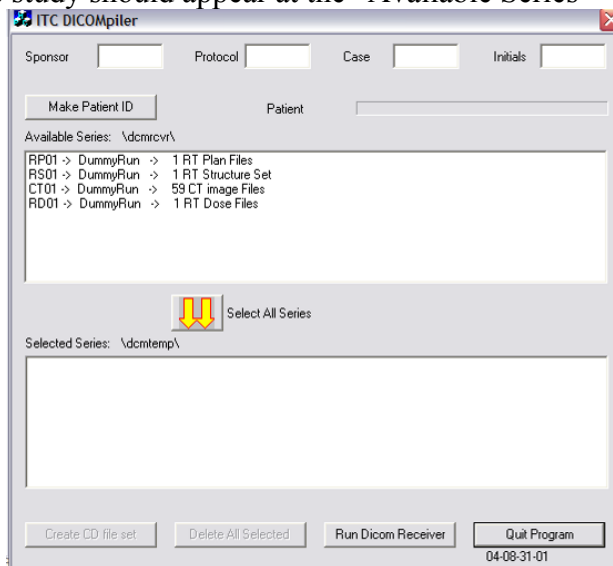
5. Anonymization procedure

1. Copy your DICOM-RT data to the folder: "**dcmrcvr**"
2. Start and stop the DICOM Receiver to refresh the list of Available Series:
 - a. Click on "Run DICOM Receiver"

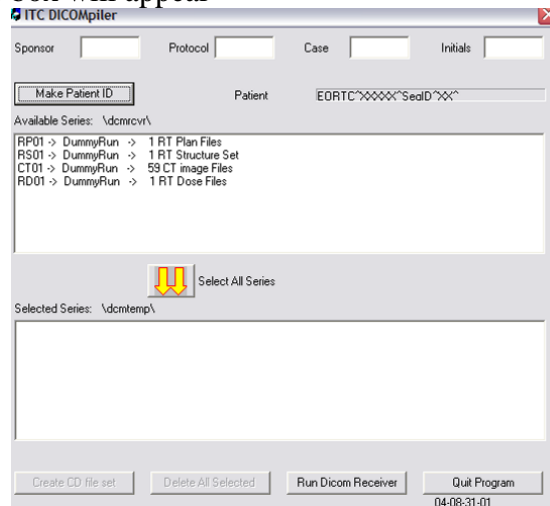
- b. Click “OK” on Windows Security Alert pop-up
- c. Click “Stop DICOM Receiver” at ITC Receiver pop-up



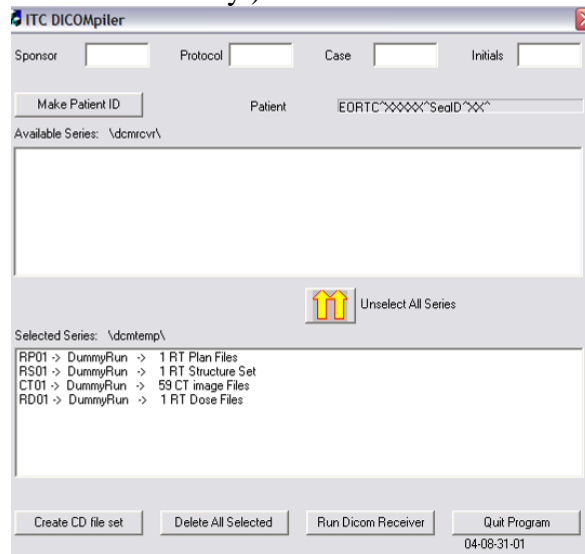
- d. The study should appear at the “Available Series”



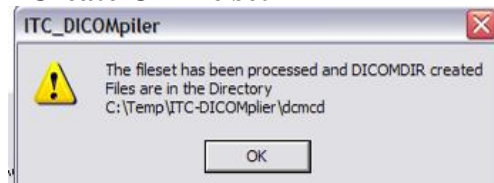
- e. Enter the **Sponsor / Protocol / Case / (optionally) Initials** and Click on “**Make Patient ID**” – the entered field will be cleared and a Patient (grey) box will appear



- f. Click on “Select All Series” (please note that the files transferred to the “**dcmtemp**” folder. (Note: DICOM Series may also be selected and transferred individually.)



- g. Click on “**Create CD file set**”



- h. The Anonymized dataset is at the “**dcmcd**” folder.

Please direct enquiries about the ITC DICOMplier Software to:

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Please direct enquiries about this instruction to:

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