Exercise 1 : DICOM Tool Quick Configuration

The DICOM Tool expands DICOM support in Analyze, enabling the indexing of collections of DICOM images through a local database file. This exercise will demonstrate how to create a database and then how to import DICOM data into the database.
Note: If you are a previous BirPacs user please contact support@analyzedirect.com for instructions on migrating your database to the DICOM Tool.

1. Open the **DICOM Tool** (**File > DICOM Tool**).
2. The DICOM Tool will detect that there is no database present; a dialog box will be returned asking you if you would like to create a new database or browse for an existing database, click **Create a new local database**.

> *note* | If this is not the first time you have accessed the DICOM Tool, you can access the Create New Image Database window by selecting File > Create Database.

3. The **Create New Image Database** window (Figure 1) allows you to specify a database name and file system directory, configure a DICOM receiver for the database (optional), configure a database server (optional), and specify the source of initial DICOM images (optional).
4. The **Local Database Name** will default to 'SystemName_PortNumber'; chance the Local Database Name to **TEST_5679** [**A**].
5. On your system's local disk create a folder called '**AnalyzeDB**' ($:/AnalyzeDB)
6. Click the **Local Database Directory** button in the Create New Image Database window.
7. In the Browse for Folder window returned navigate to the location of the new '**AnalyzeDB**' folder ($:/AnalyzeDB), select the folder, and click **OK**. You have now specified the location of your local database [**B**].
8. To create the local database click the **Create Local Database** button [**C**].
9. Once the database has been created a dialog box will be returned stating 'All Done', click **OK**.

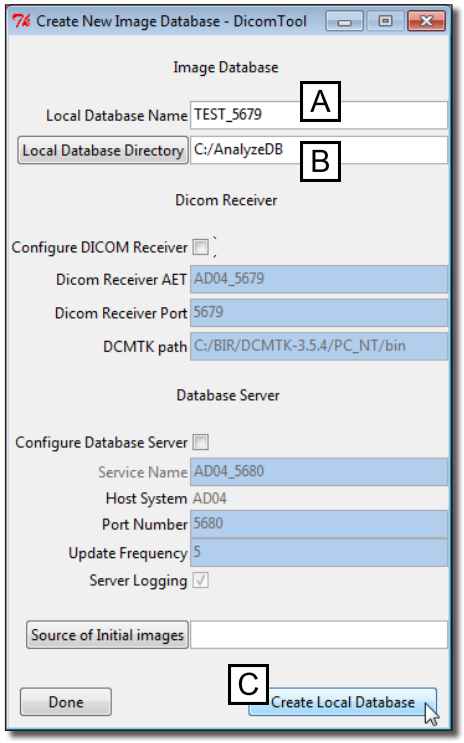

Figure 1

10. To import DICOM data into the DICOM Tool right-click anywhere in the white space and select **Import DICOM Images** from the menu (Figure 2). Alternatively, select **File > Import DICOM Images**.

11. In the Browse for Folder window returned navigate to and select the folder **$:\BIR\images\TutorialData\ImportExportTutorial**, then click **OK**.

12. A dialog box will be returned asking you to confirm that you would like to 'Import all DICOM files found below <C:/BIR/images/TutorialData/ImportExportTutorial>', click **Yes** to confirm.

13. All 121 DICOM images contained within the folder will be copied into the database. The DICOM Tool will automatically sort and index the data by patient, study, series, and volume.

14. Data can be selected and viewed in the DICOM Tool (Figure 3). To load a selected data set into the Analyze workspace click **Load Volume [D]**; if you wish to resize or resample the data click **Load As**, this will load the selected data into the Load As module (see exercise 4 for instructions on how to use the Load As module).

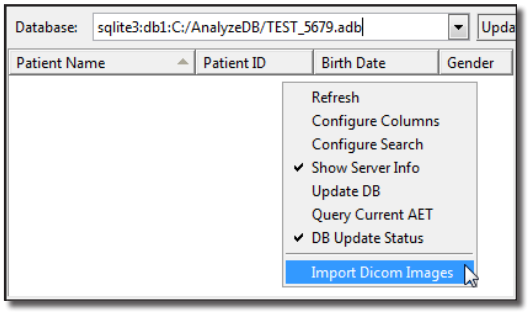

Figure 2

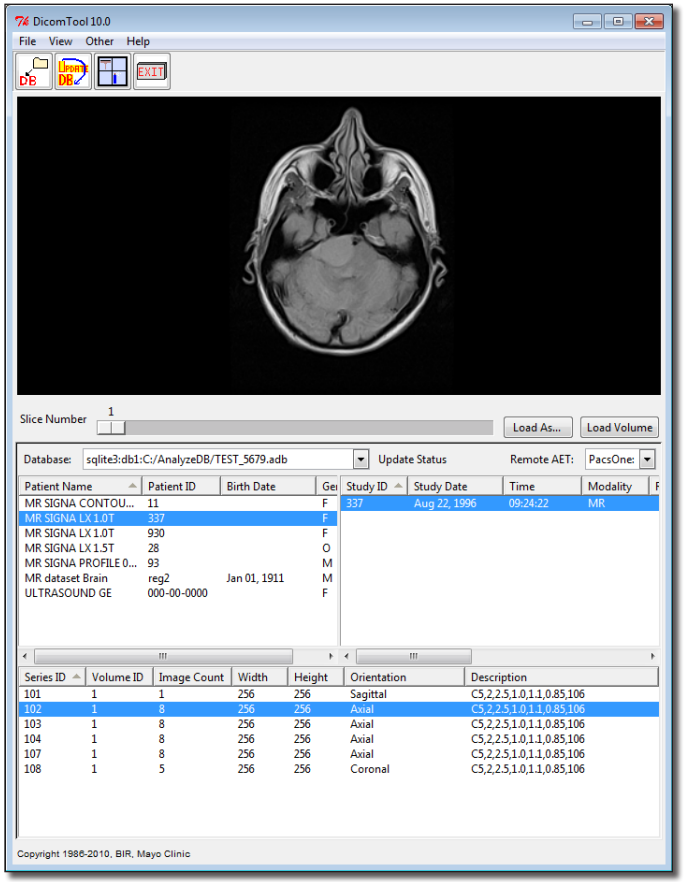

Figure 3