



# MEDILIG

Medical Life Guard : Front-end GUI for the MEDILIG Database in Microsoft Access

## Microsoft Access Front End Installation

By

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# Installation Overview

## I. Objective:

Linking Microsoft SQL Server 2005 with Microsoft Access 2007 front end

## II. Prerequisites/Tested with:

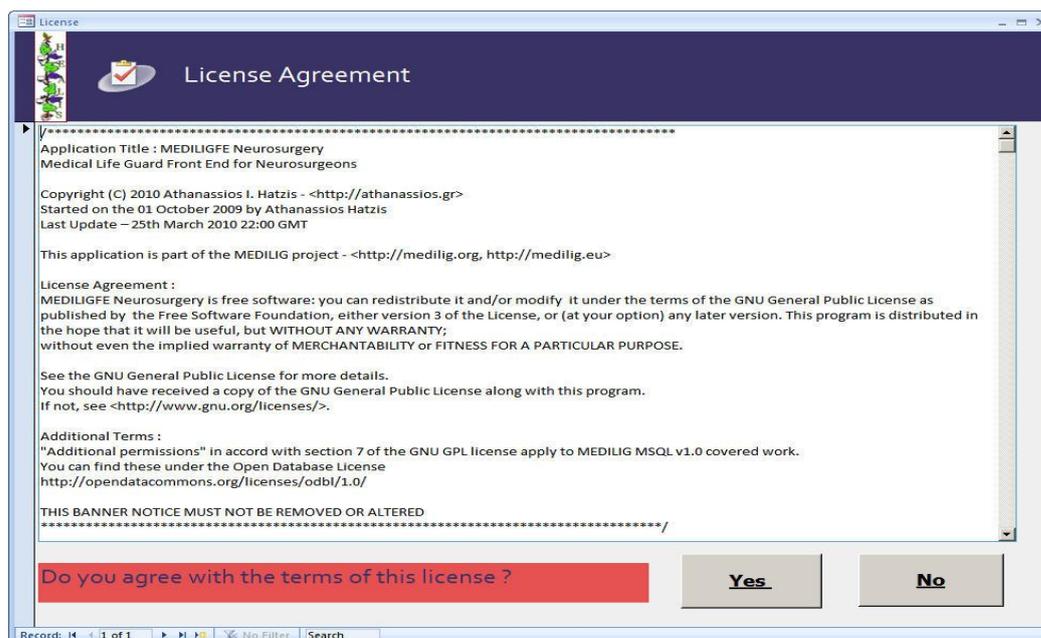
1. Installation of Microsoft Access 2007 part of the Microsoft Office 2007 suite.
2. Installation of Microsoft SQL Server 2005  
(see .\MEDILIG\DB\_MSSQL\MEDILIG MSQL – INSTALLATION. docx)
3. Optional - Attachment of MEDILIG\_NEUROSURGERY database  
(see .\MEDILIG\DB\_MSSQL\MEDILIG MSQL – INSTALLATION. docx)  
The following installation setup will also try to attach the database as part of the linking procedure

## III. Steps to follow:

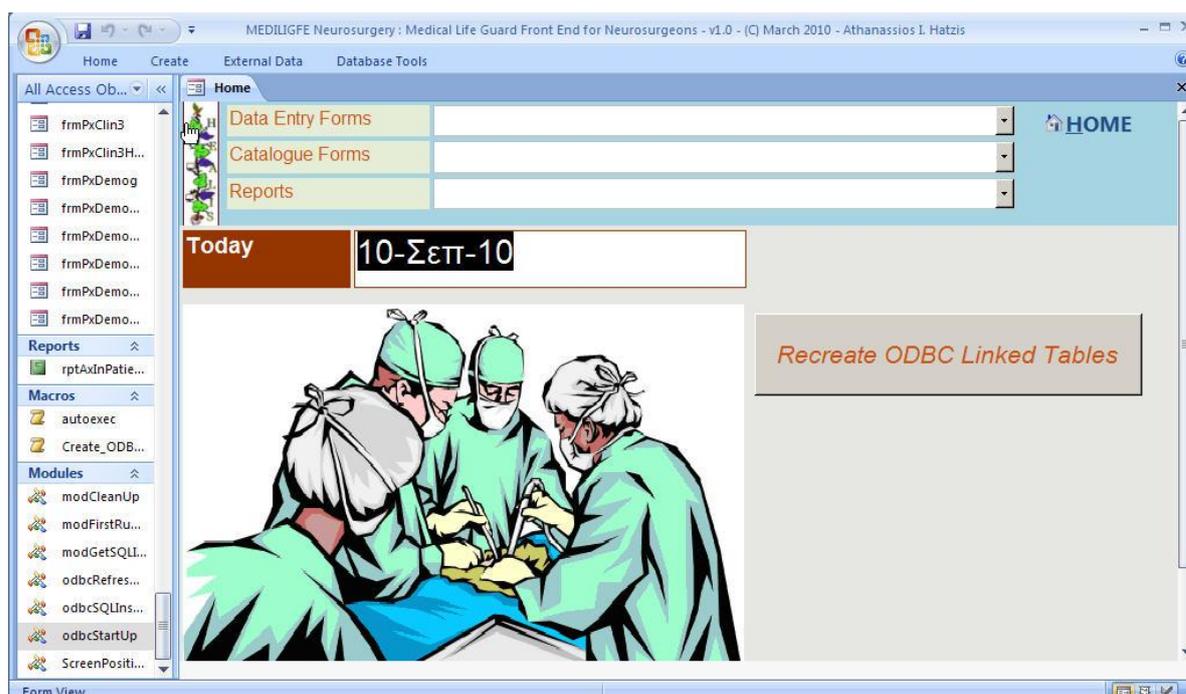
1. **Locate and run .\MEDILIG\FE\_MSAccess\MEDILIGFE\_NEUROSURGERY.accdb**

Please make sure first that a copy of [MEDILIG dat.MDF](#) database is present in this folder.  
AUTOEXEC Macro will automatically execute StartUp Function that is located inside odbcStartUp module. The following checks and actions will be performed:

- i. Check for the existence of an MSQL linked table (dbo\_MT\_Px). When you run MEDILIGFE\_NEUROSURGERY.accdb application for the first time ODBC linked tables are not created yet.
- ii. Find Microsoft SQL Server instance and attempt to startup the server
- iii. Check if database is attached to the server; if not then execute commands to attach it
- iv. If database is attached to the server then check/create ODBC Linked Tables
- v. If there is a valid running instance of Microsoft SQL Server and the database MEDILIG\_NEUROSURGERY is attached then proceed with opening the License Form.

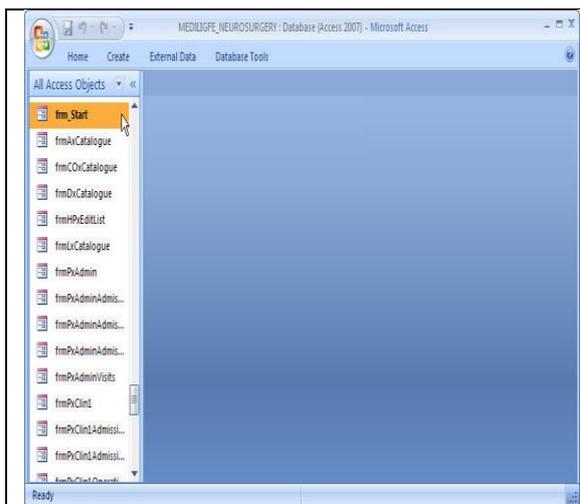


If you accept the terms of the license the following screen will appear and that means you are ready to start exploring the pre-built Microsoft Access forms, catalogues and reports.



## 2. Alternative procedure for linking ODBC tables

If everything fails at step one then try to recover by executing "MEDILIG\_NEUROSURGERY.accdb" as it is described in the following table



Before you double click Microsoft Access application, press the **Shift** key and keep it pressed until it overrides the startup procedure; see autoexec macro above. You should get the window at the right. Locate the form "**frm\_Start**" and double click. Then click the "**Recreate ODBC Linked Tables**" big button (see diagnostic procedure below). If there is a valid running instance of Microsoft SQL Server and the database **MEDILIG\_NEUROSURGERY** is attached properly you should get the message. "**ODBC Table Data Sources are refreshed and linked to MSQL Database=MEDILIG\_NEUROSURGERY**". Click OK.

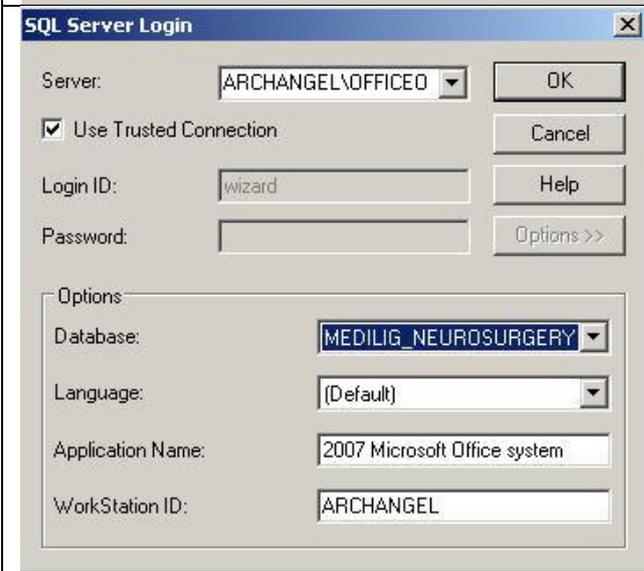
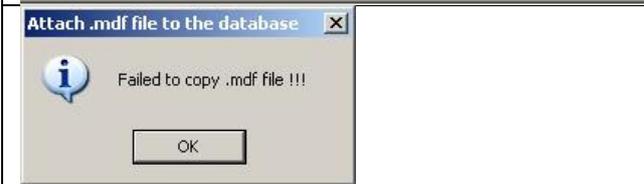
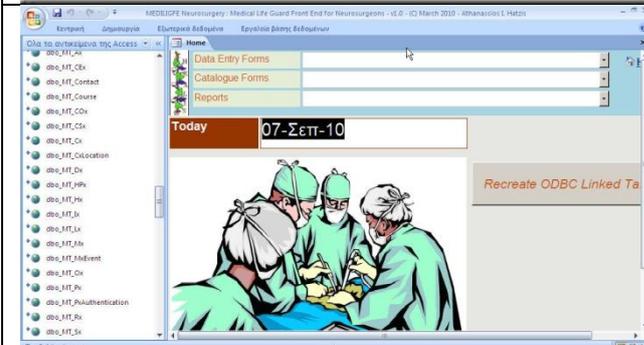


### 3. Diagnostic Procedure for MEDILIGFE\_NEUROSURGERY.accdb

The following screen captures provide diagnostic messages to resolve connection and linking problems or to acknowledge information that will appear when you run MEDILIGFE\_NEUROSURGERY.accdb application.

	<p>This message will appear if ODBC linked tables are not created yet.</p>
	<p>This message will appear when a valid instance of Microsoft SQL Server is found (e.g. MINITABLET\OFFICEONE).</p>
	<p>This message informs the user that the database is already attached to Microsoft SQL Server.</p>
	<p>This message informs the user that the database has been attached to Microsoft SQL Server.</p>
	<p>This message informs the user that all the ODBC Table Data Sources are refreshed and linked to Microsoft SQL Server Database (MEDILIG_NEUROSURGERY). If you see this message then you will be able to work with Microsoft Access pre-built forms, reports and catalogues.</p>
	<p>SQL-DMO Service is not started. This will cause errors when it will try to start Microsoft SQL Server or attach the database.</p>
	<p>This error message might have been caused as a side-effect of the previous error.</p>
	<p>Message indicates that there is a problem with the connection to MEDILIG_NEUROSURGERY database. It is possible that database does not exist in the server.</p>



	<p>Message indicates that there is a problem with the connection to <b>MEDILIG_NEUROSURGERY</b> database. It is possible that database does not exist in the server.</p>
	<p>Microsoft Access will try to recover from the failed connection to the database with the SQL Server Login window. This is very useful to check the connection but it will probably fail if MEDILIG_NEUROSURGERY database is not attached to Microsoft SQL Server. You can always determine if connection works by running SQL Server Management Studio.</p>
	<p>An attempt to copy the (.mdf) file that is located in the same folder as that of Microsoft Access application has failed.</p>
	<p>This message will appear if the program cannot trace a valid running instance of Microsoft SQL Server.</p>
	<p>This message will be displayed for two reasons; a valid running instance of Microsoft SQL Server is not found or the database is not attached to Microsoft SQL Server.</p>
	<p>This screen displays ODBC linked tables on the left side of the window. On the right side you can see the Recreate ODBC Linked Tables in case you appear to have problems with the linked tables (see previous error message).</p>



#### IV. Optional - Create a DSN connection to the MSQL Server

You may choose to run independent of the previous step the ODBC Data Source Administrator. Click START and then RUN... Type `odbcad32.exe` and press OK to open the ODBC pop-up window of the administrator.

- i. From the Select Data Source pop-up window select File Data Source  
Select the file data source that describes the driver that you wish to connect to. You can use any file data source that refers to an ODBC driver which is installed on your machine.
- ii. Create a new data source by pressing the New.... Button. The Create New Data Source pop-up window comes up.
- iii. Select SQL Server driver, click Next... and type the name of the file data source Click Next... again
- iv. Another pop-up window appears with the title Create a New Data Source to SQL Server
- v. Select the Server you want to connect to and click Next e.g. `Johnny\SQLExpress`  
In case the connection is on a remote machine, then use With SQL Server authentication using a login ID and password e.g. User : `sa`, Password : `123`
- vi. Change the default database to `MEDILIG` and click Finish
- vii. Test your Data Source. You should get the message TESTS COMPLETED SUCCESSFULLY
- viii. Select the DSN you have just created – `MEDILIG_Neurosurgery.DSN` and click OK
- ix. Login with the user ID and password you entered above

You will be able to continue now with the update of the linked tables.