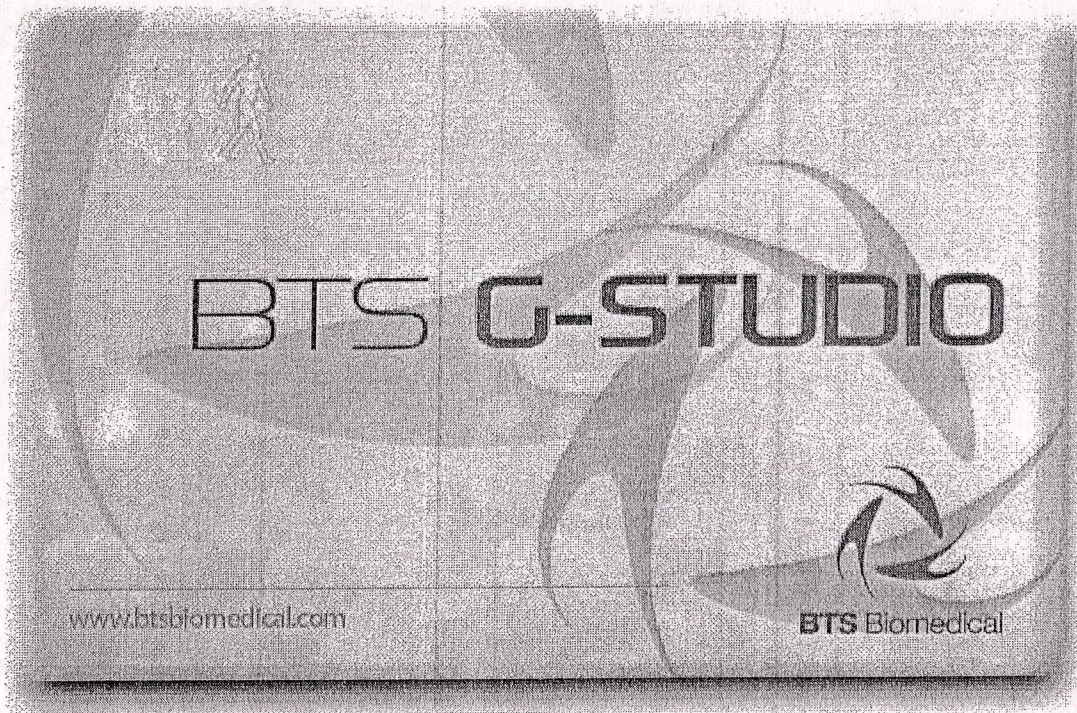




USER MANUAL

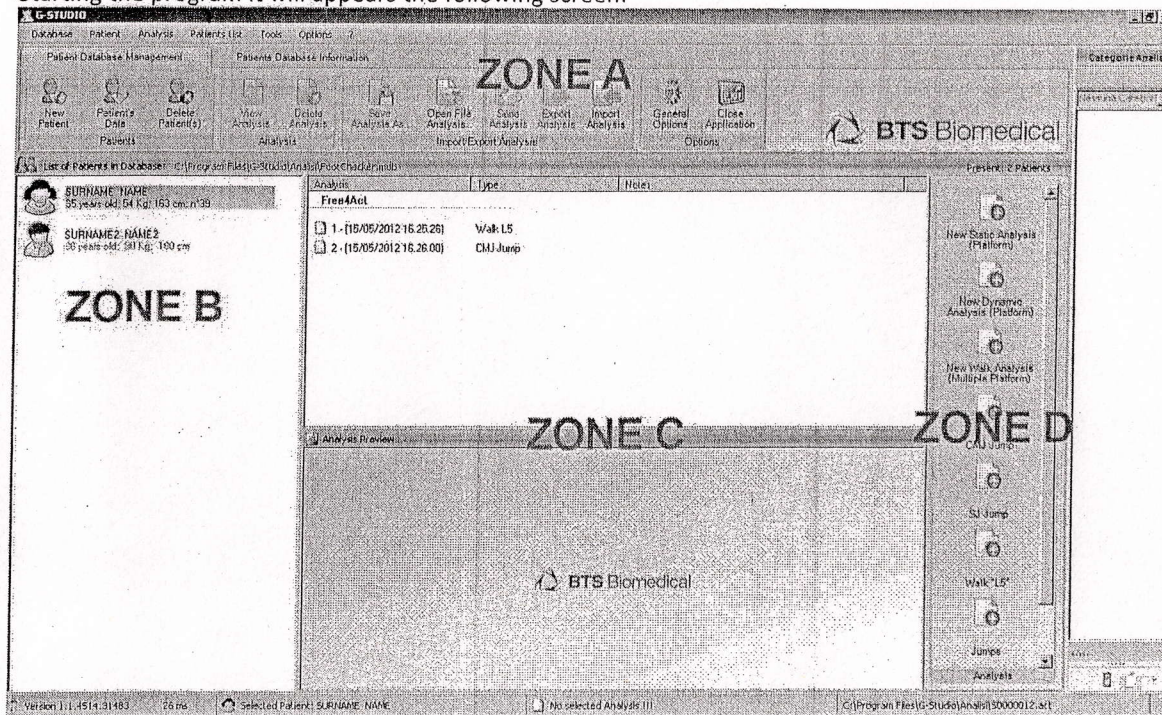
G-STUDIO Ver. 2.0

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MAIN MENU

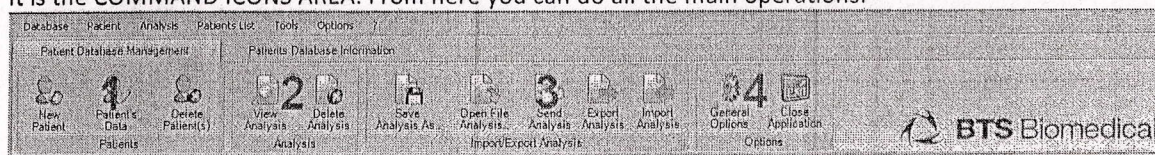
Starting the program it will appears the following screen:



Here there are 4 main zones. Following is a description of each of them.

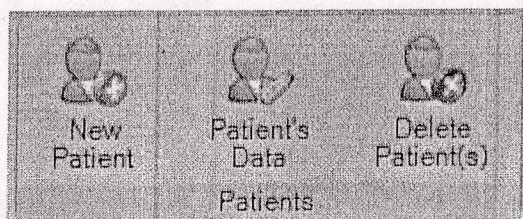
ZONE A

It is the COMMAND ICONS AREA. From here you can do all the main operations.



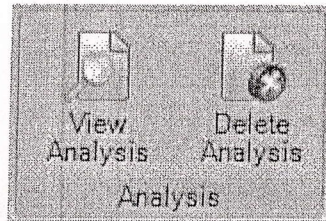
These commands are divided in 4 different groups related to operations to be performed.

Icon Group 1: Patient Icons



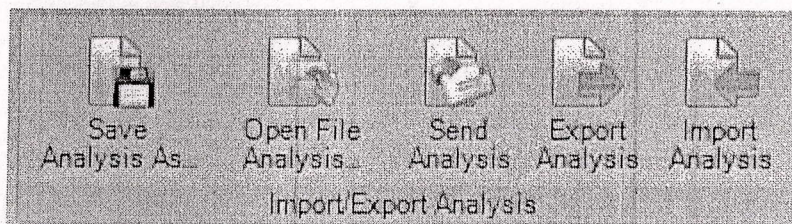
Using these ICONS you can operate on the patients. You can insert a NEW PATIENT, modify his data, or delete it together with all his analysis

Icon Group 2: Analysis Icons



These are used to view or delete any type of analysis.

Icon Group 3: Database Icon Group

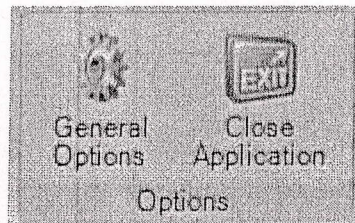


These are used to Save an analysis on an external file instead of inside Biomech database. It is also possible to open a file previously saved with "Save Analysis as".

You can use the 3rd icon to send the selected analysis by email.

The Icons 4th and 5th are used to export a group of patients and analysis on a different directory or support or import previously exported data.

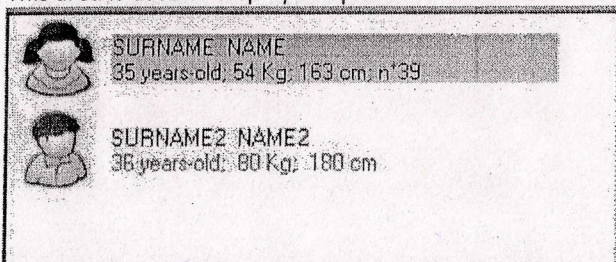
Icon Group 4: Option Icon



These are used to enter the general option of the program or to close the program.

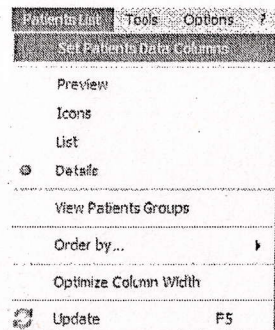
ZONE B

This area is used to display the patient's list as follows.

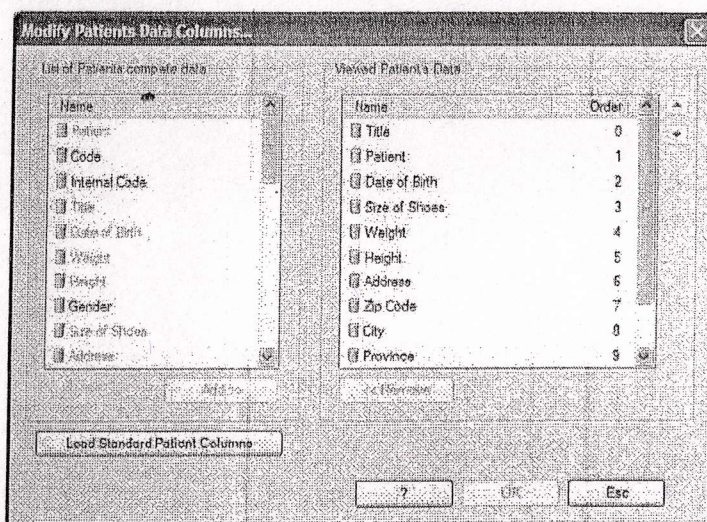


The columns displayed can be selected.

Use the patient command of the first row as follows:

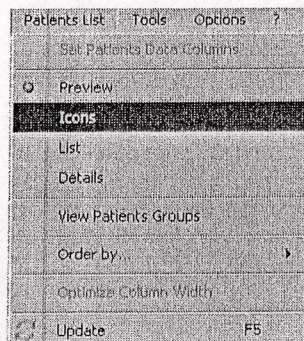


and select the first option. The following screen will appear:



You can select the column you want to be shown on the left column and on the right one you can define the order to be shown.

It is also possible to define how to show the data using the other options present

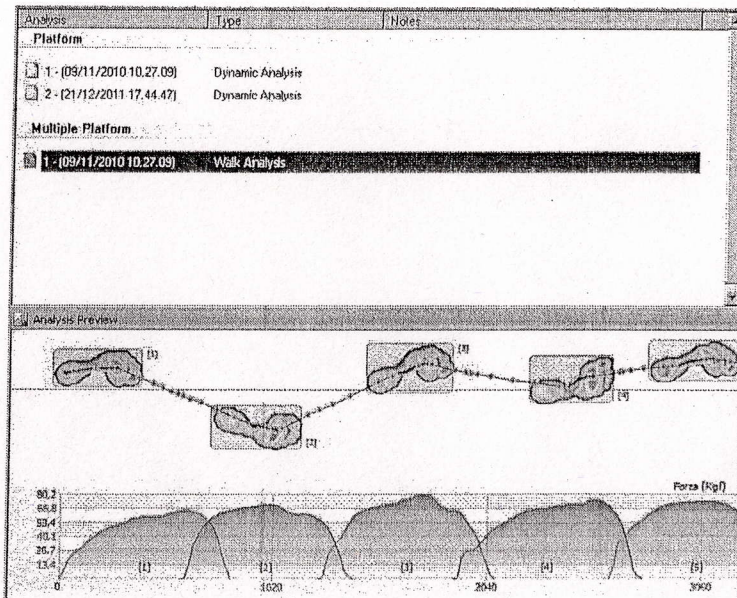


as a preview, icons, list or details.

You can also define others visualization.

ZONE C

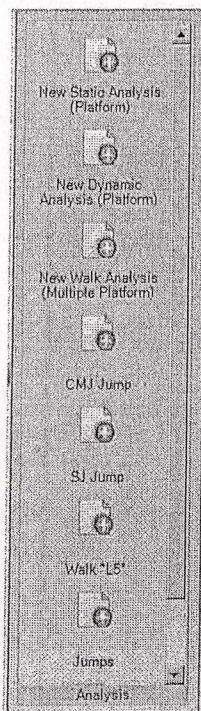
This area is used to display the list of analysis of the selected patient.



You can see all the analysis or the analysis divided for the type. The different types are present on the label under the list. For each type the number of analysis is presented.

ZONE D

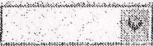
All the selected type of analysis enabled are shown in this area.



PATIENT



To insert a new patient it is necessary to use the icon .
It will appear the following mask where all the main information of the patient can be inserted.

The necessary data to be inserted are "Surname" and "Name". All the other data are optional and depends only if you want to have more info. In all the field with  the value can be selected from a list.

In all the field with  the value can be selected from a list where the value can be inserted by you directly. To insert a new value it is enough to input a new value. After the saving of the patient the new values will be present in the relative list.

If you insert the correct values of the weight and the height the IMC will be computed automatically.

To add more info about the patient use **More Information** and the following screen will appear:

Adding New Patient...

Modify Options

Personal Data More Information Data Antropometric...

Group

Select...

Select the Group to which the Patient belongs

Notes

Notes:

Personal Notes:

These Notes about the Patient can be printed in the print heading.

These Notes CANNOT be printed.

Codes

Database internal code: 000003

Global Code (GUID): 4449d495175b40d684457f5cbe17656c

Dates

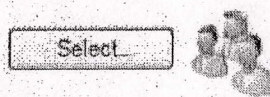
Patient entered in Database on date: 15/05/2012 16:29:41

Patient's Data updated to date: 14

Date of Latest Analysis: 1234567890123456

Find

? Print Save and New Analysis Save Cancel



You can divide patients into groups. Use the command **Select** to select the group. The following screen will appear:

Add Patient to a Group

Group Patients Add

Group	Patients	Add
Group 1	1	Add
Group 2	2	Add
Group 3	8	Add
Group 4	1	Add
Group 5	1	Add
Group 6	1	Add

? OK Close

For each group are presented the number of patients for each one. To add a new group use the command icon "Add".

You can use the following area to insert notes for the patient that can be printed.

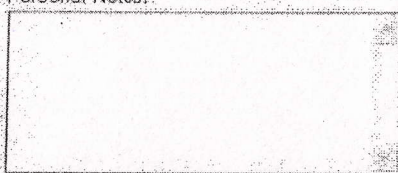
Notes:



These Notes about the Patient can be printed in the print heading.

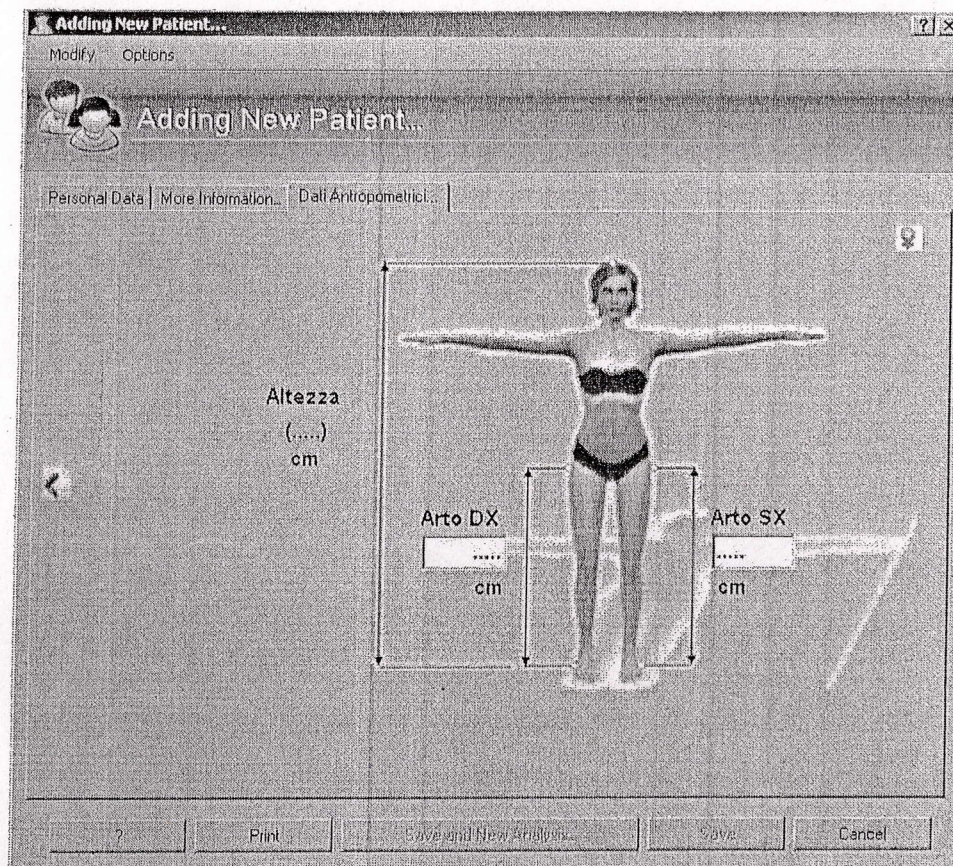
If you want to insert personal notes that cannot be printed use the following area

Personal Notes:



These Notes CANNOT be printed.

Finally, clicking on "Anthropometric Data" tab the following screen will appear:



Here it is possible to insert the right and left leg length.

To modify a patient it is enough to make double click on the patient in the list or select the patient and use



the icon command



To delete a patient and all the analysis use the icon command

ANALYSIS

To proceed with the analysis, select the Analysis to be performed among the ones available in the ZONE D.

The type of analysis available depend on the equipment installed.

It will be possible to use the following equipment:

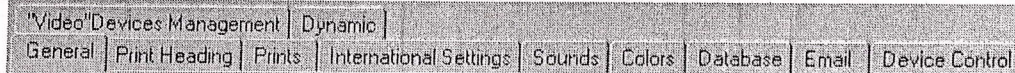
- Single Pressure Platform P-WALK - if you have this platform you can perform STATIC and DYNAMIC ANALYSIS;
- Multiple Pressure platform P-WALK – you can perform WALK PRESSURE ANALYSIS;
- Inertial sensor G-SENSOR:
 - G-WALK version: includes WALK "L5" Analysis Protocol,
 - G-JUMP version: includes JUMPS Analysis Protocol (A complete JUMP ANALYSIS Protocol including several Jumps and automatic Jump Index computation),

In both version a FREE Test Analysis protocol and the other protocol can be added in option.

For the execution and the result analysis, we remand you to the specific manual of the equipment used for the analysis.

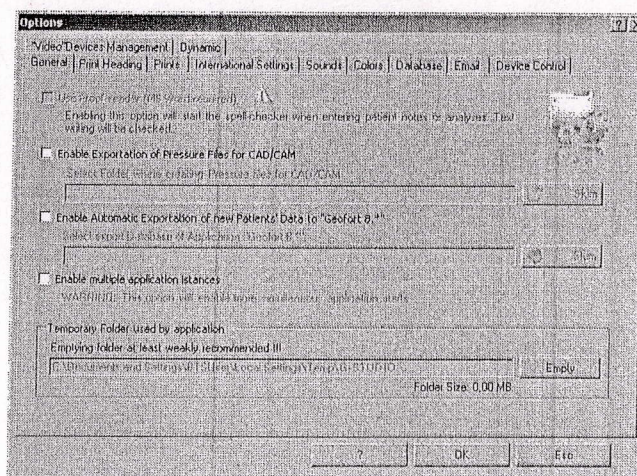
OPTIONS

The option menu is used to define the different configuration for G-STUDIO.
Select one of the labels to enter in the specific sub-option



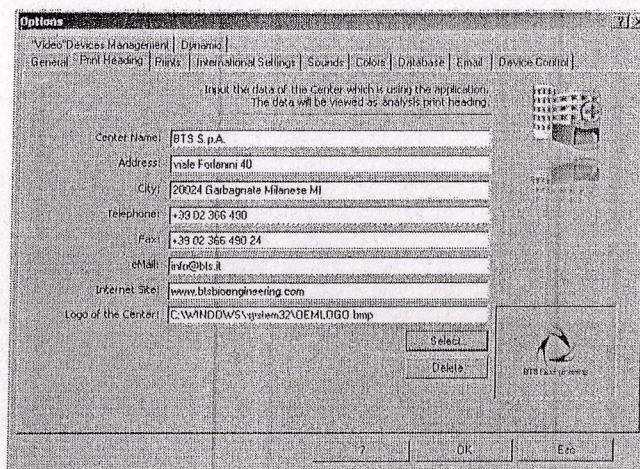
GENERAL

- It allows to use or not the spell-checker (if MS WORD is installed);
- It allows to export data for CAD/CAM and define the relative directory;
- It allows to export data for the program GEOFOR 8;
- It allows to run more time the application;
- It allows to define the directory of the temporary files (this must be clean every week).



PRINT HEADING

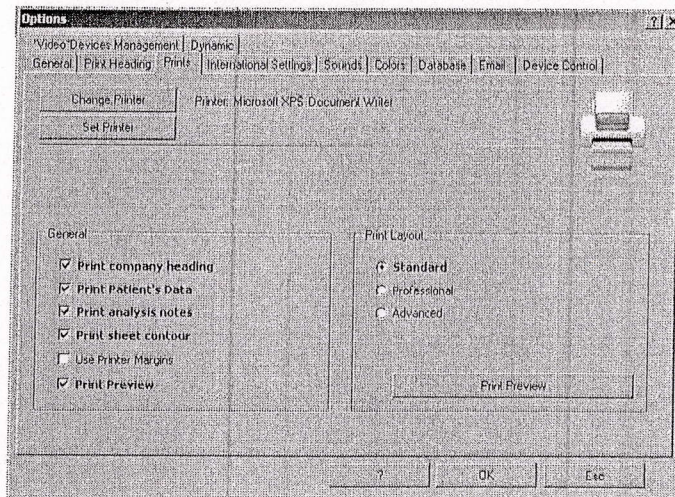
Here you can insert all the information to be printed in the heading of all print out.
You can also insert information about your email and web side. It is also possible to select a logo that will appear at the top of the program instead of the BTS Logo. You can select the logo from any directory of your PC using the "select" command. If you want to delete the logo use the "delete" command.



PRINTS

The print option enables you to

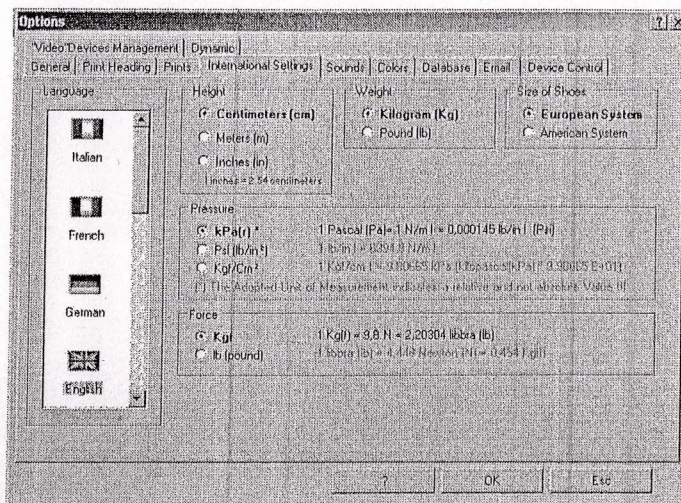
- Select the default printer and set it;
- Define what to print in the heading of your printout;
- Define the usable layout.



INTERNATIONAL SETTINGS

With this option you can select:

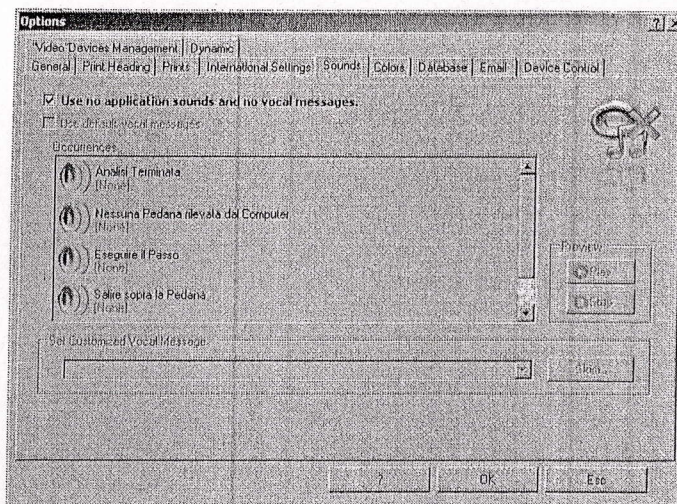
- The language to be used (after the selection you must close and run again the program);
- Measure units to be used.



SOUND

This command defines the vocal message to be used. Before use the sound be sure the program will run correctly. It can happened, sometimes, that the sound interface of the computer interferes with the driver of the program. In this case DO NOT USE vocal message

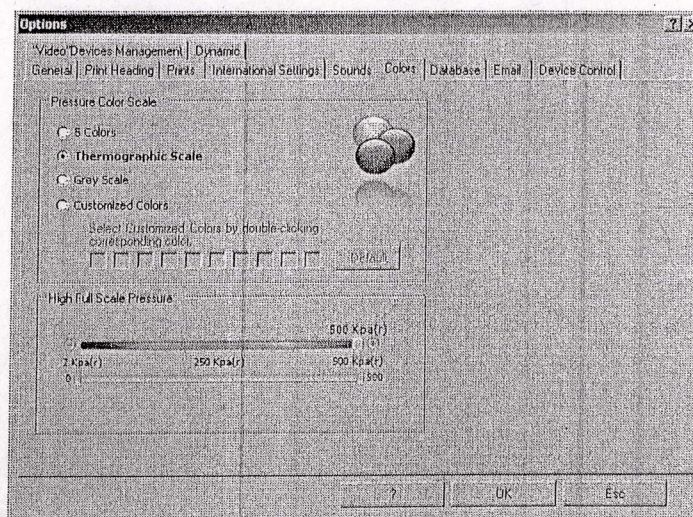
You can record you own message or use the standard messages. These messages are used only during the acquisition phase.



COLORS

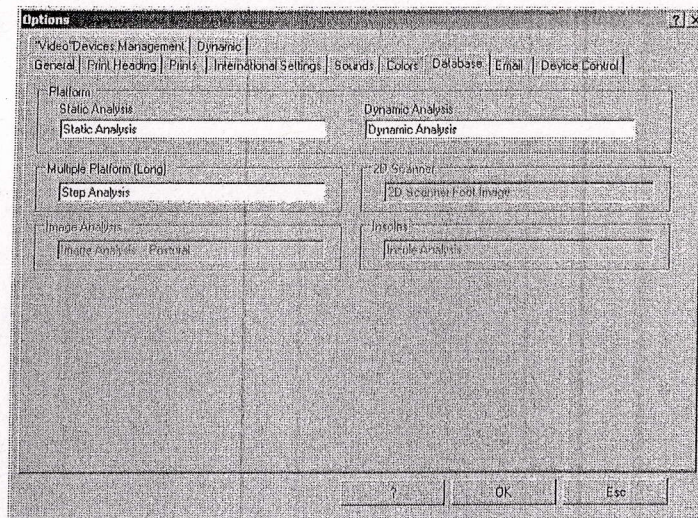
Here you can define the color to be used in the program. You can also personalize your color for pressure. The default setup is the thermo graphic scale. You can also define the limits (lower and upper) for the pressure values to be displayed.

Using the color bar you can set the lower and the upper level you want to use in all the program. Of course the color bar can be set analysis by analysis and will be stored in every analysis.



DATABASE

In this tab it is possible to chose a name for each analysis. These names will appear in the list of analysis.

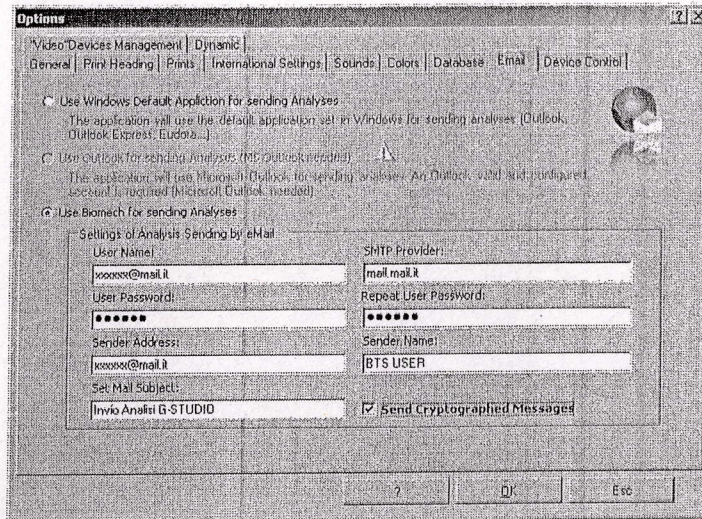


EMAIL

Using this options you can set how you will send the analysis via email.

You can select the standard default email program you normally use (first option) or use OUTLOOK (second option).

But you can also set the different options in order to send automatically the analysis without passing through a specific program. (use this option only if you are expert).

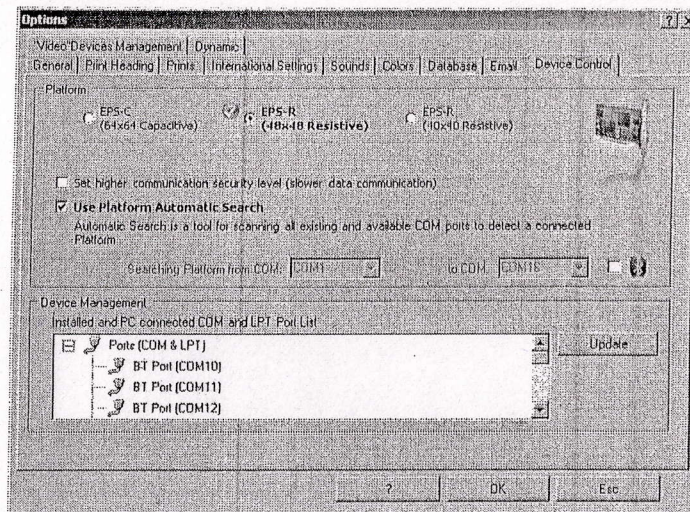


DEVICE CONTROL

This option must be used every time you connect a platform (EPS/C or EPS/R). Here you have to set the platform.

Then the program will automatically search the connection port.

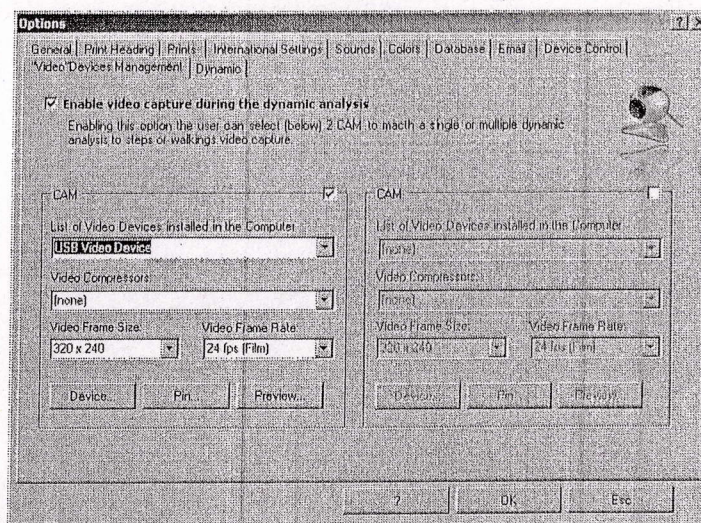
After this you have to make a double click on the founded port and this will be set as searching post.



"VIDEO" DEVICE MANAGEMENT

Here you can set the USB WEB CAM that you will use to get the film during the dynamic acquisition.

You can use 2 web cam and here you have to define the relative driver. Using the preview you can control the settings.

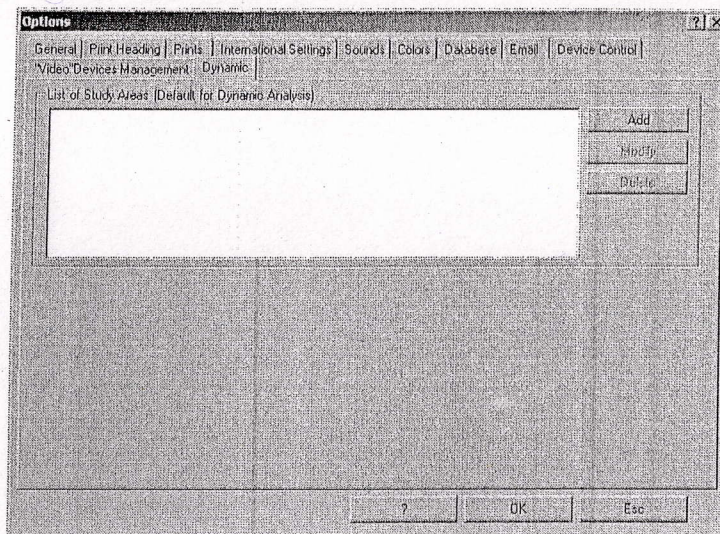


For better definition use the 320x240 one.

DYNAMIC

You can define standard area to be used during the AREA ANALYSIS.

Use ADD to insert a new area. Insert the name, the description and the color to be used.

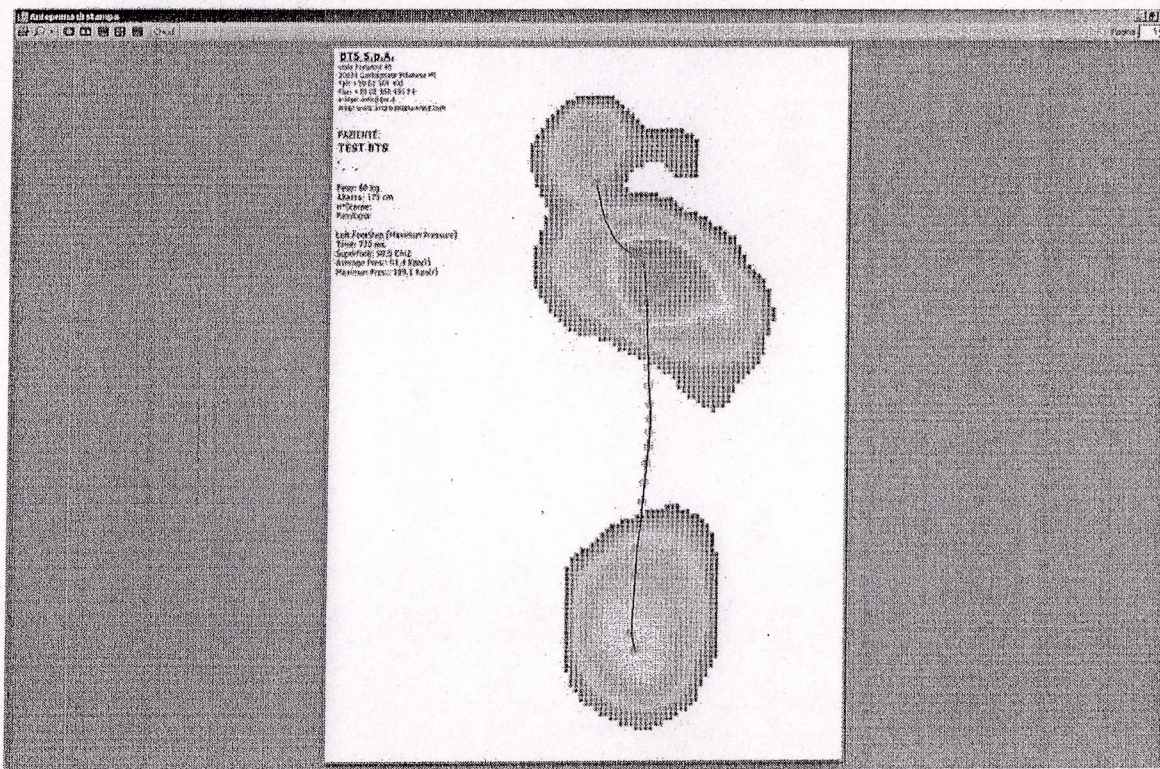


(valid for all the screen).



▼

Then you will have a print preview:



VIEW and COMPARE Analysis

In all option of the program you will have an icon that allows to open other analysis to be compared with the present analysis: .

Using this Icon a selection list will appear.

Automatically will be displayed the analysis of the current patient. You can select one or more analysis of the actual patient in order to compare analysis from different periods.

You can also select a different patient and his analysis.

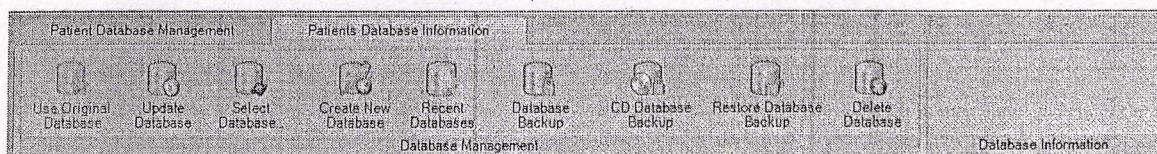
It is possible to select more than one analysis.

DATABASE MANAGEMENT

If you need to manage the database in order to create a new one or to use an old one you can use the command "Patient Database Information":



It will appear the following screen:



Here the different options:

-  , if you want to use the original database;

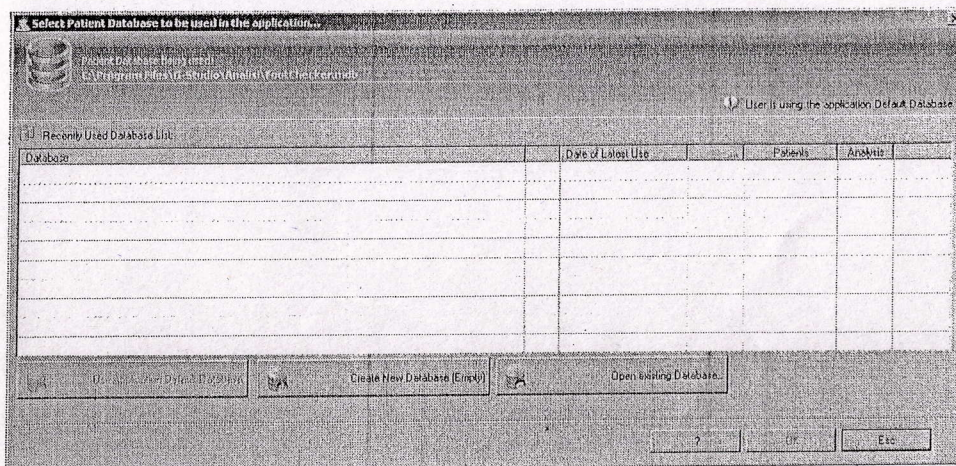
-  , refresh the actual database;

-  , select one database. In this case a selection windows will be presented from where you have to define the directory of the database;

-  , create a new empty database;

As before you have to select a directory to store the new database.

-  , shows the used databases and present the following screen:



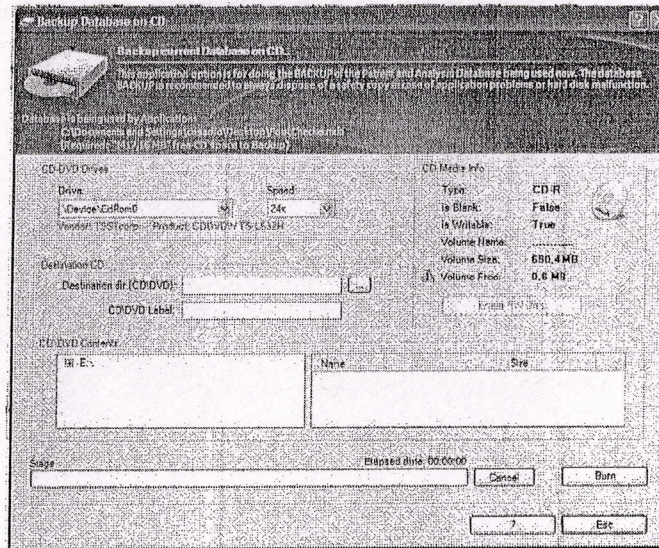
Here all the used databases are listed. The three commands are the same described before. If you want to select one database from the list make double click on it.



• , makes a backup of the current database. Here you must select a directory;



• , makes the backup of the current database on a CD. In this case the following screen will be presented:



Complete the following fields:

Destination CD

Destination dir (CD/DVD):

CD/DVD Label:

Then use the command "Burn".



• , restore a database – you have to select the directory where the back up file is stored;



• , delete the current database.

UPGRADE BIOMECH FROM USB KEY

If you have to upgrade the software using the USB key, use the following command



after having inserted the USB key.

INFO

Selecting "About G-STUDIO" from the top menu under the voice "?" you will get all the info about the version you are using:

