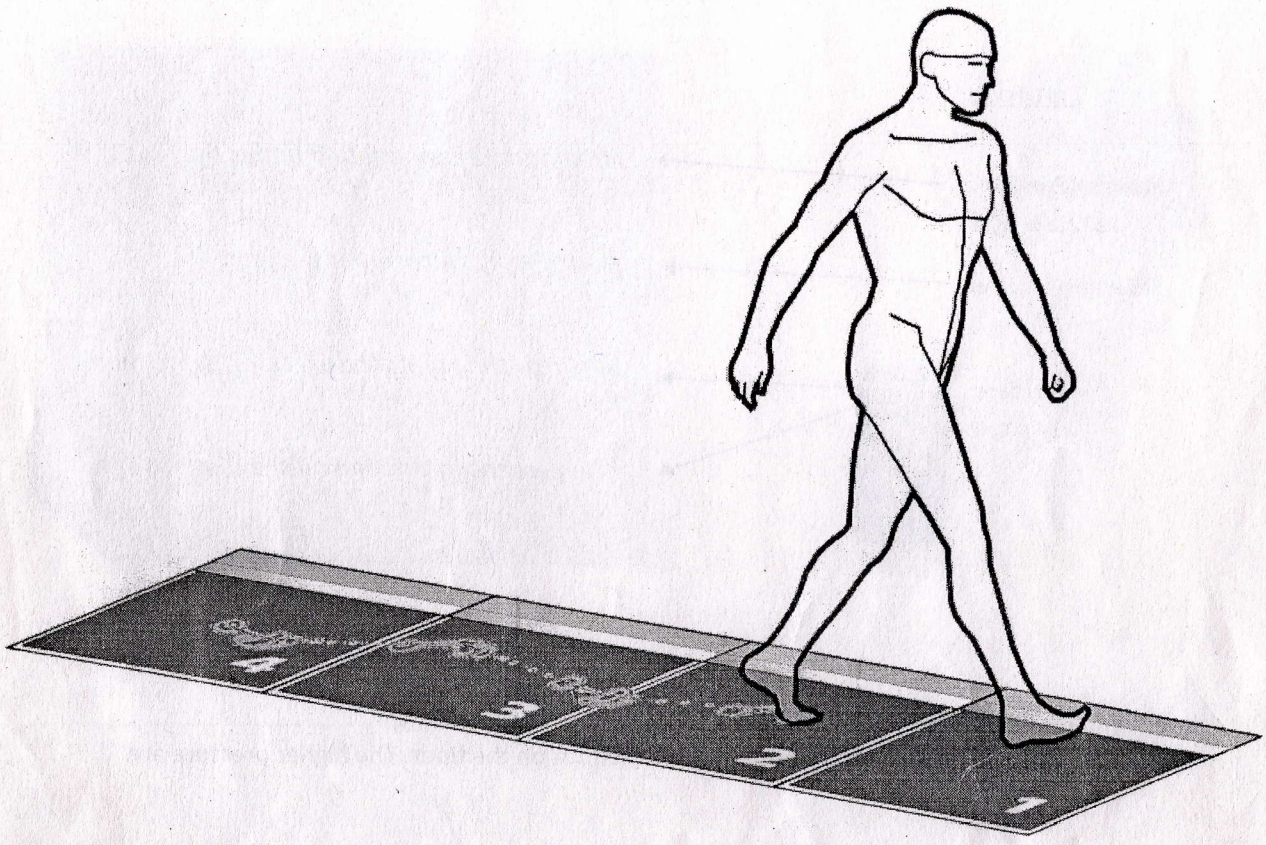
BTS Biomedical

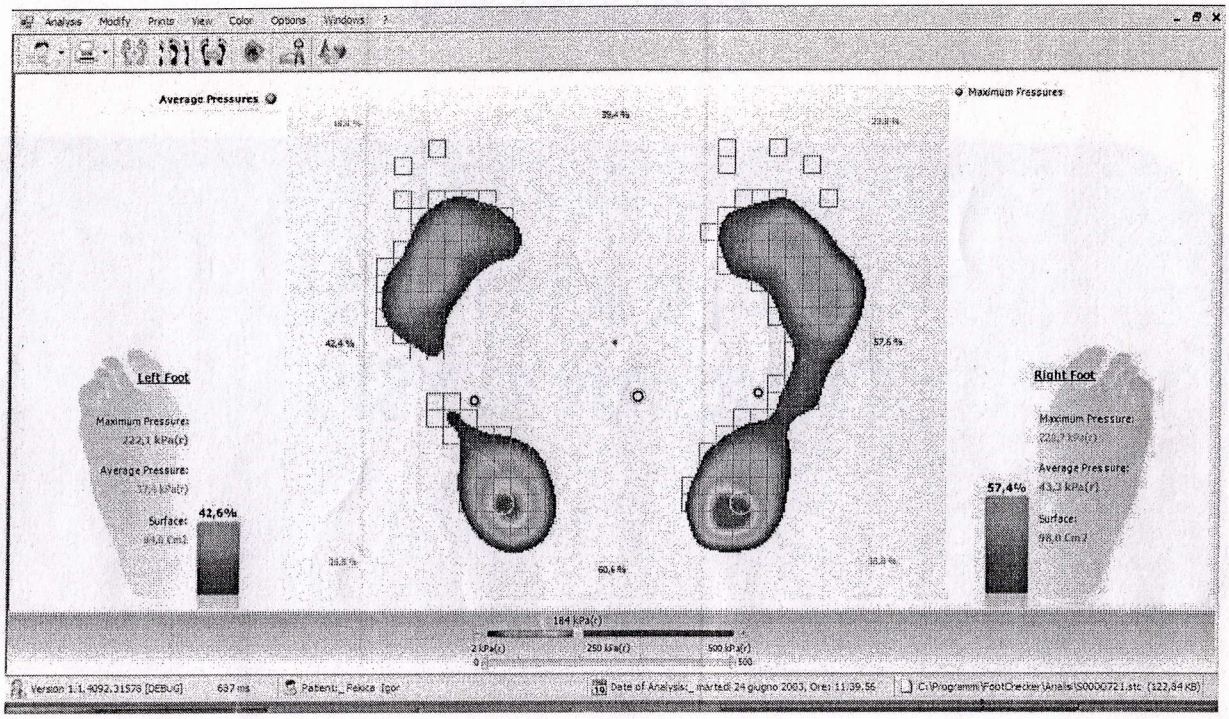
P-WALK MANUAL
STATIC ANALYSIS

Rev. 1.0

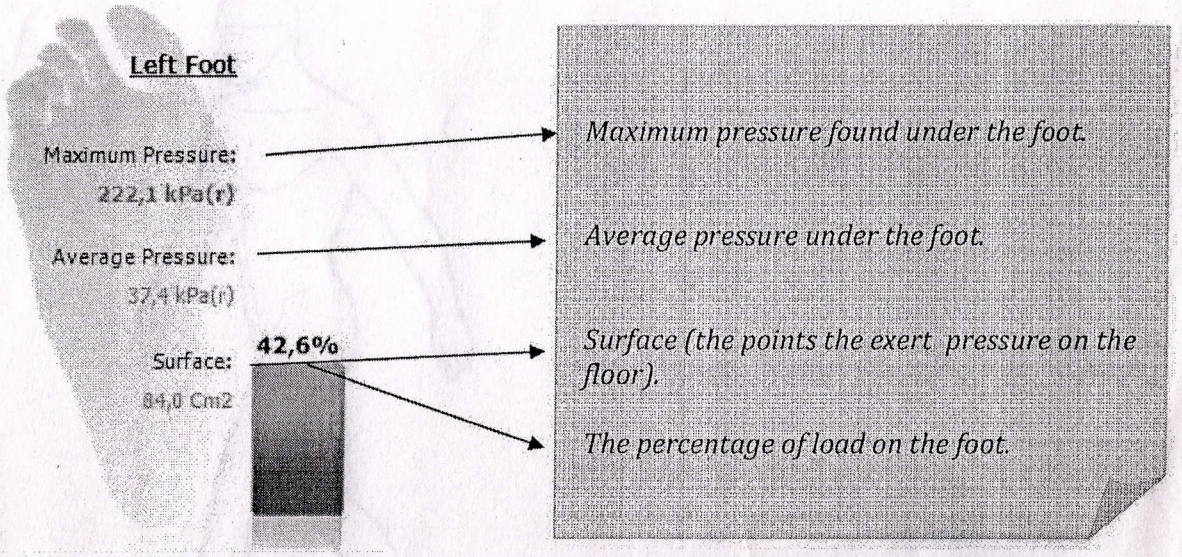


STATIC ANALYSIS

After having performed a STATIC ACQUISITION you can immediatly see the result.
The main screen will be:



Here you have the following information for each foot:



Here there are the following information:

· image of the pressure distribution generated by the foot on the floor. The higher pressure are

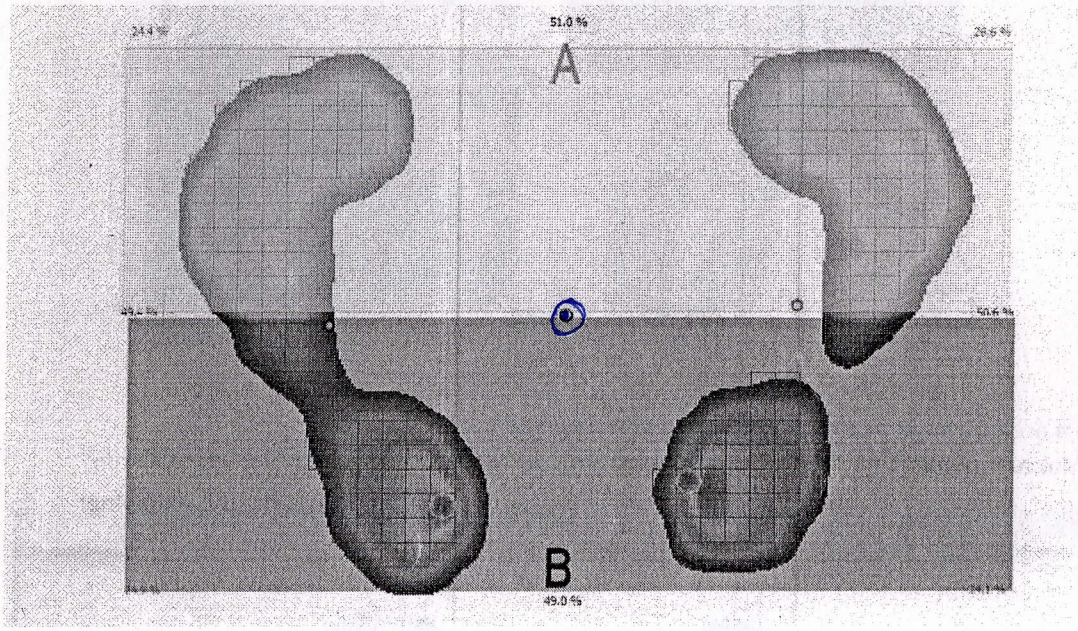
displayed with red color while the lower with the blue color following the scale of color displayed under the picture;

· The point with the maximum pressure shown with the red circle inside the feet;

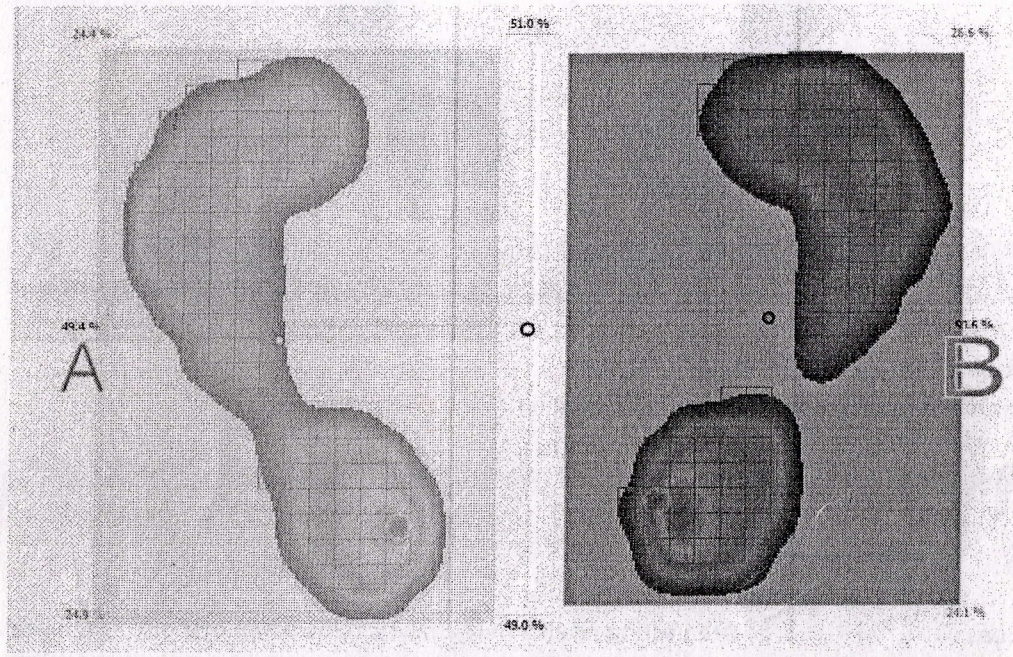
· The projection of the barycenter on the floor that is the circle between the 2 images of the foot;

· The center of pressure of the 2 feet displayed by 2 circle nearest or inside the feet;

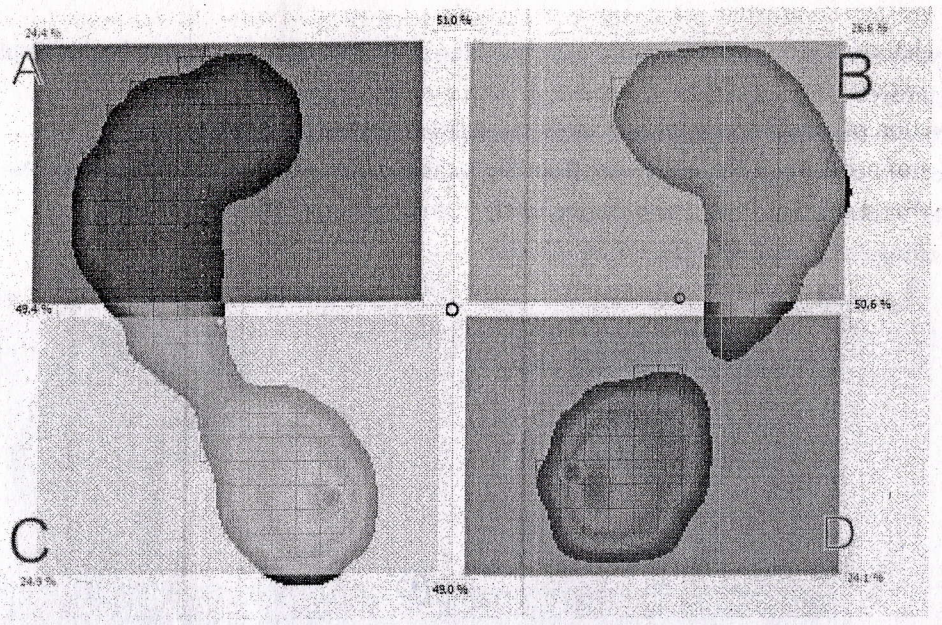
· The percentage of pressure in the different area:



· front zone and rear zone:



· left and right zone;

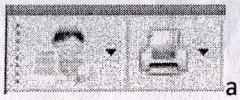


- the 4 areas divided by the axis centered in the barycenter.

If you make a double click on the screen you will enlarge the pressure image like the following:

Make double click to return to the previous screen.

Using the command icons to view different information.

The first 2 icons  are used to open a new analysis to be compared or to generate a print out.

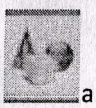
The 3rd icon  is used to have the previous screen.

The 4th icons  is used to see the type of feet.

The 5th icons  (If enabled) allows the study of the area.

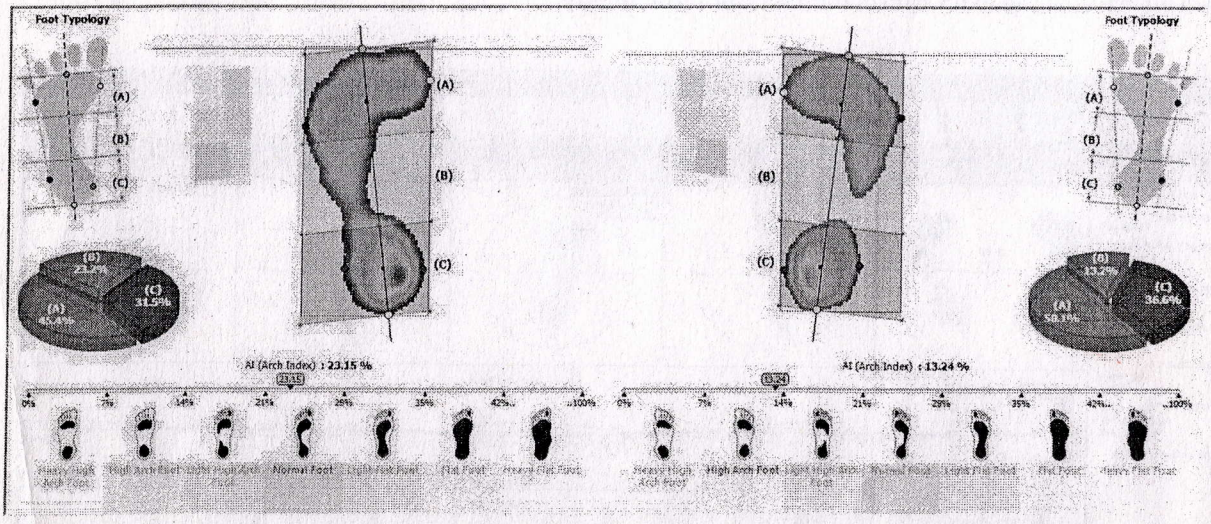
The 6th icons  is the stabilometry analysis.

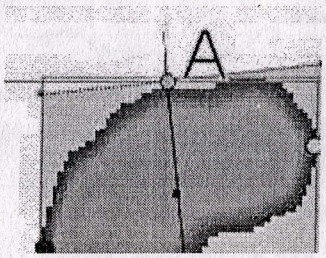
The 7th icons  is used to make measurements.

The 8th icons  allows to have the 3d display

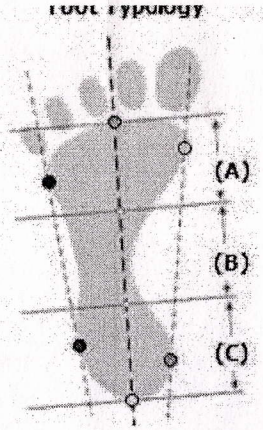
TYPE OF FEET

This option allows to have the type of feet. Each foot is divided in areas automatically and is computed the ratio between them and defined the type (from 3 rd flat level to 3rd cavus level).



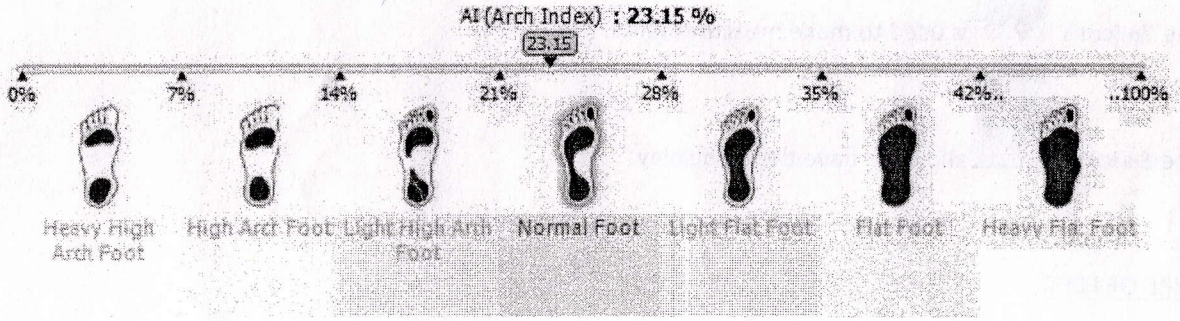


It is important that the point A is in the correct position as shown in the image



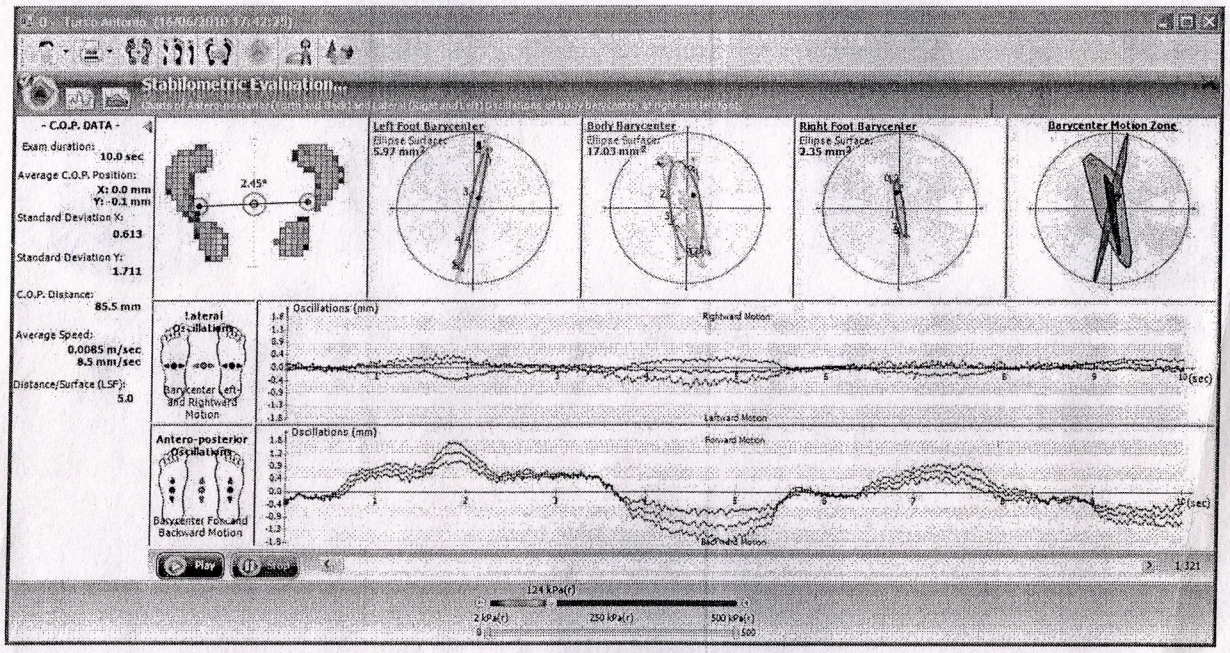
on the left (or right)

If you want to move this point go on it with the mouse and pressing the left button move the point.
On the lower part is shown the type of the feet.



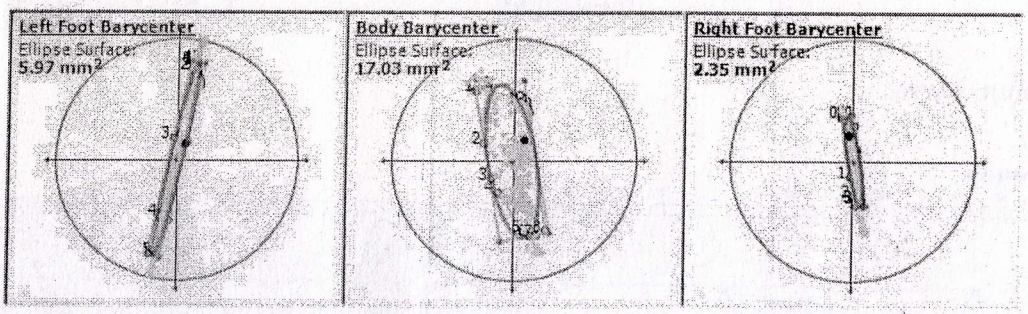
STABILOMETRY

Here we have all the main information for the stabilometry.

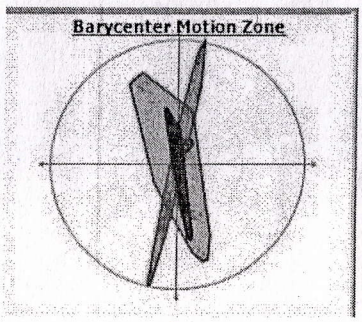


We can recognize the following areas:

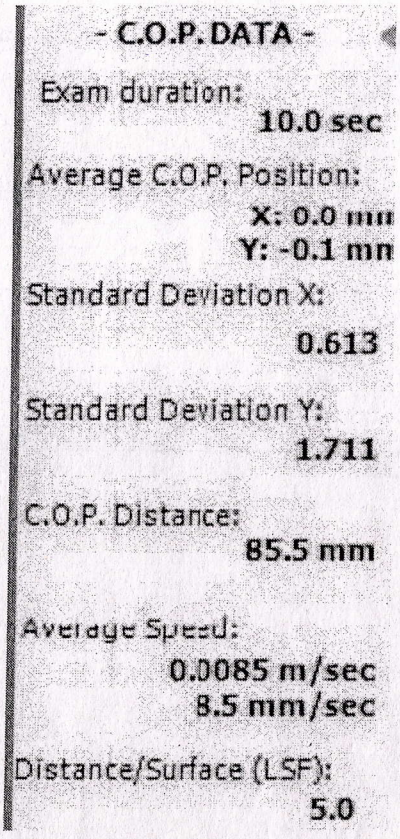
- Movement of the barycenter and the center of pressure of the 2 feet. For all the movement the ellipse that contains to 90% of the points is presented as follows:



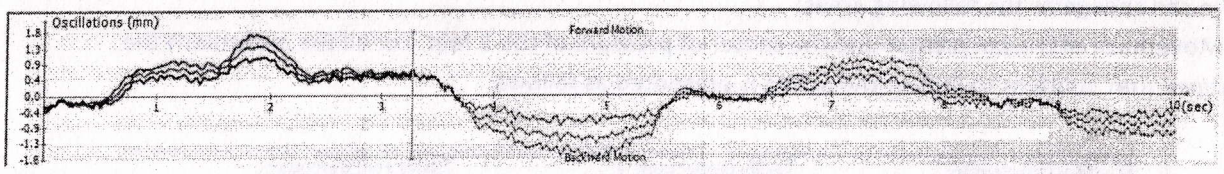
- The total display of the movement is displayed;



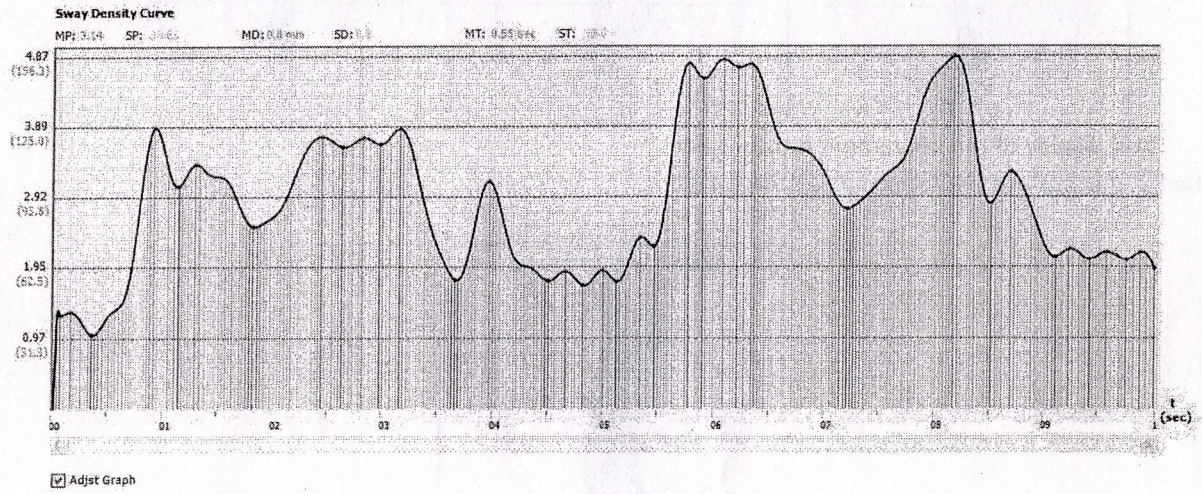
- On left part of the video all the data of the stabilometry are reported as follows:



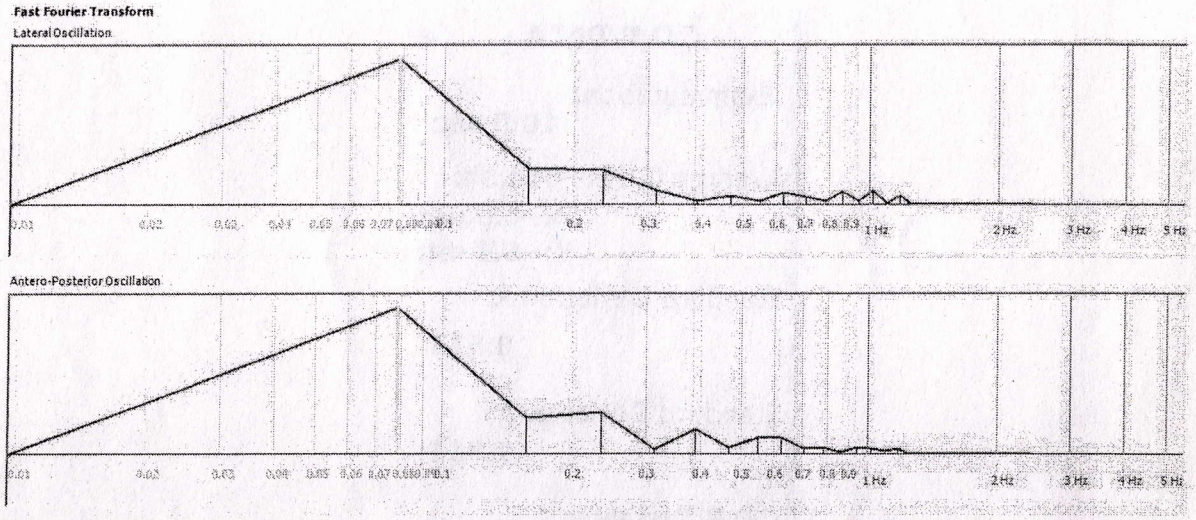
- Stabilogram (graph of the movement in the time);



- Sway Density Curve;

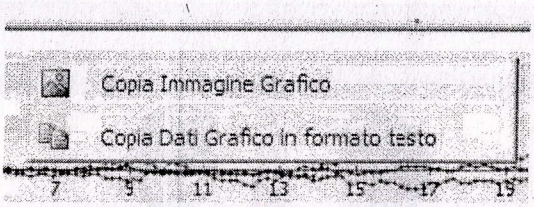


- FFT (Fast Fourier Transform) of the movement of the barycenter;

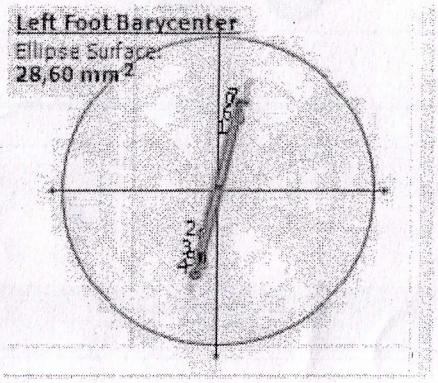


OTHER COMMANDS

If you click on the graphs with the right button of the mouse the following command will appear:



You can copy the image on the click board, then you can past it like the following



Or you can copy the values in text file:

Bari.Left

X(mm) Y(mm)

-1,9 8,3

-1,8 7,0

-2,0 6,7

-1,1 4,4

-0,9 3,3

:: ::

3,0 -11,5

3,0 -11,2

3,1 -11,2

3,2 -11,8

3,8 -13,7

3,2 -11,5

3,3 -12,7

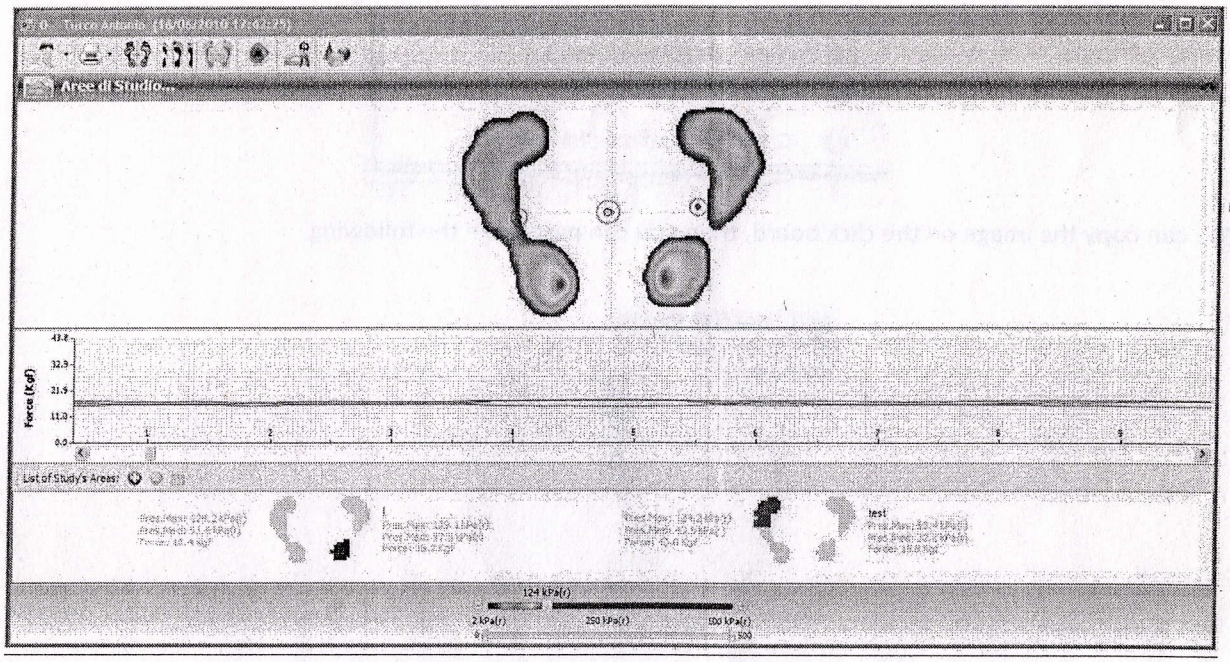
3,5 -12,3

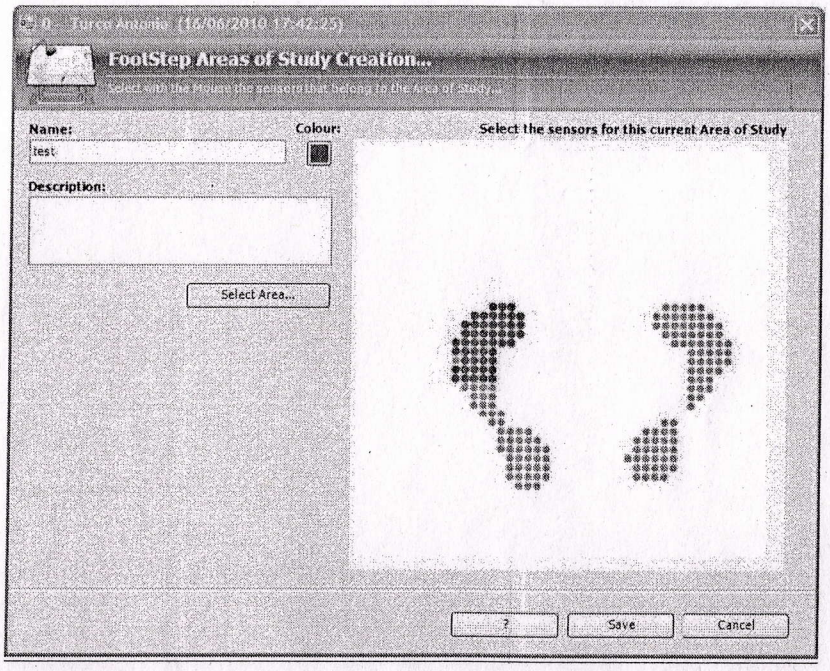
3,5 -12,6

This is valid for each graph.

If you click on the image with the pressure values you can only export the pressure value data as shown before.

STUDY OF THE AREAS





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G-STUDIO Update procedure

BUILD: 2.0.4.0

To update BTS G-STUDIO follow this procedure:

1 – Copy the ConfManager.zip archive into a computer local folder

2 – Extract the contents of the ConfManager.zip archive

3 – Launch the ConfManager.exe file

4 - Uninstall the previous version of BTS G-STUDIO software

5 – Install the 2.0.4.0 version of BTS G-STUDIO software

Instead, if you are installing BTS G-STUDIO for the first time is enough to:

5 – Install the 2.0.4.0 version of BTS G-STUDIO software

FOOT SIZE GUIDE WOMEN'S

Uk Size	Euro Size	In Cm
3	35.5	22
4	37	23
5	38	24
6	39.5	25
7	40.5	25.5
8	42	26.5

FOOT SIZE GUIDE MEN'S

Uk Size	Euro Size	In Cm
6	39	26.5
7	40	27.3
8	42	28.1
9	43	29
10	44	29.9
11	46	30.8