

## IntimaMedia.com

## online measurement of intima-media thickness



Thank you for joining IntimaMedia.com, the only web-based cardiovascular risk evaluation tool!

### Use this application to:

- Create new patient files or update existing patient files.
- 2. Select vascular regions of interest and acquire images for selected patients.
- 3. Make measurements on acquired images for detailed analysis.
- 4. From this analysis, create reports of the results to print, save or send.

Access your profile page at any time to edit your registration information and update your account credentials.



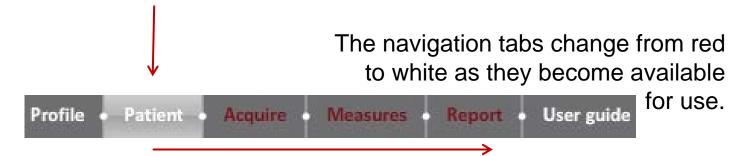
## **Getting Started**

www.iimt.fr

Once you have logged in from the home page using your email address and password, you will be redirected to the patient file page.



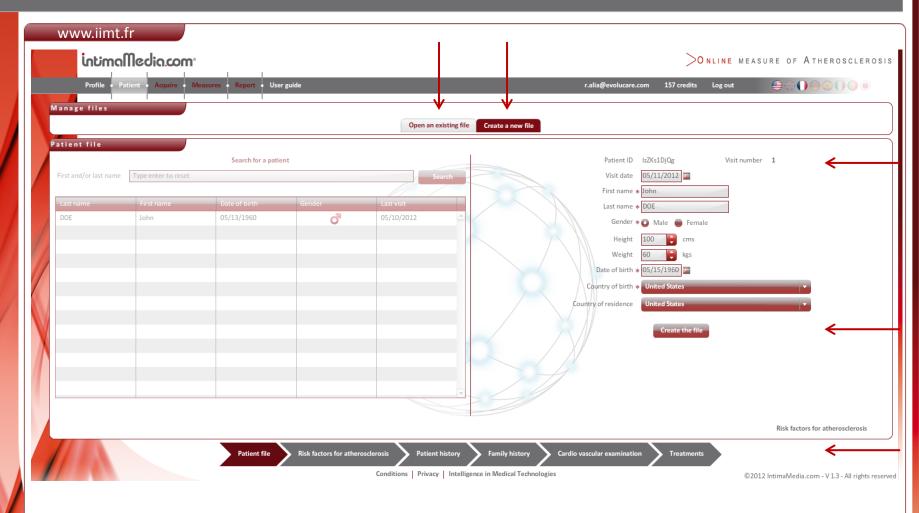
On the patient file page your navigation bar will look like the following:



To proceed, you must first create an appointment for a new or existing patient...



# Patient File - Create Appointements



- 1. Create a new patient file or open an existing file to create an appointment.
- 2. Review the general patient appointment information and validate.
- 3. After validation, complete or update the remaining pages of the patient file.

# Patient File – Complete or Update the File

#### www.iimt.fr

As indicated previously, once you have validated the appointment of either a new patient or an existing patient, you must then complete or update the remaining pages of the patient file including:

Patient file

Risk factors for atherosclerosis

Patient history

Family history

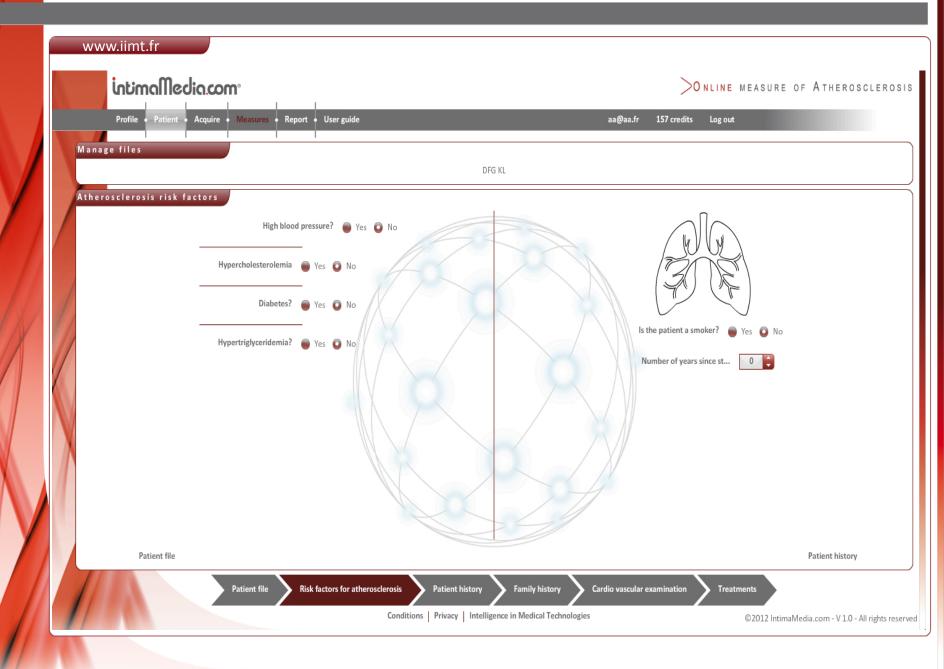
Cardio vascular examination

**Treatments** 

- Risk factors for Atherosclerosis
- Patient History
- Family History
- Cardio Vascular Examination
- Treatments

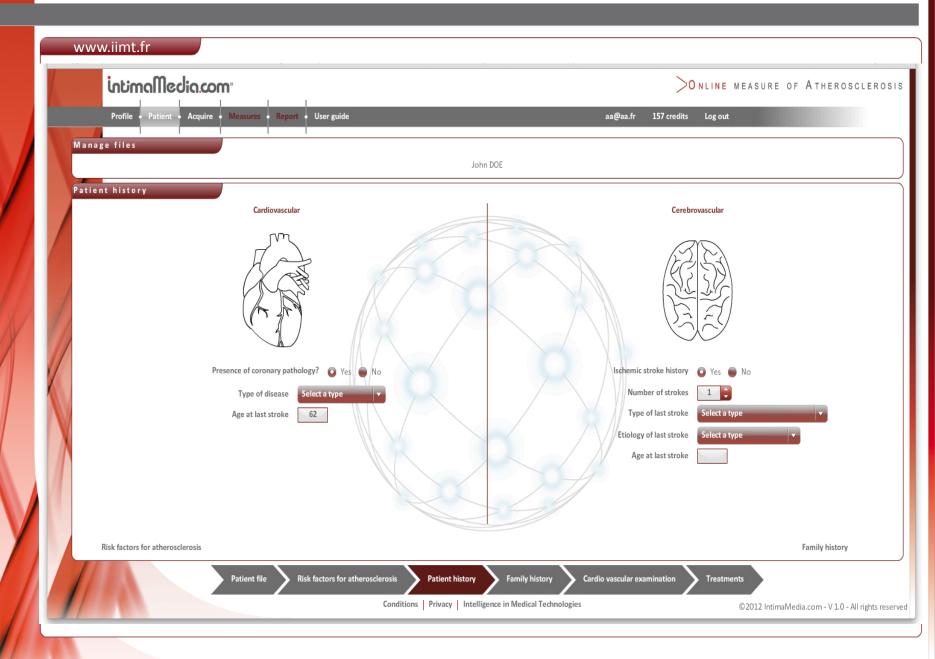


## Risk Factors for Atherosclerosis





# **Patient History**



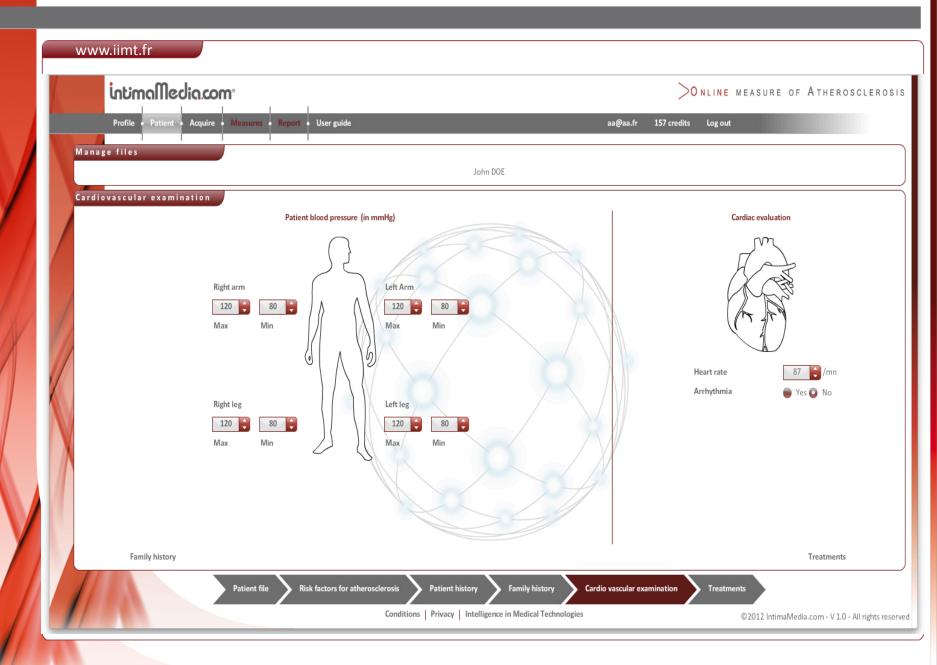


# **Family History**





## Cardio Vascular Examination





### **Treatments**



Once you have completed or updated all the pages of the patient file, click "save and acquire" to be redirected to the acquisition page.

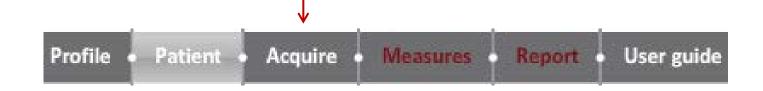


## Acquisition

www.iimt.fr

Once you have completed or updated all the pages of the patient file for the current examination, the acquisition page becomes available.

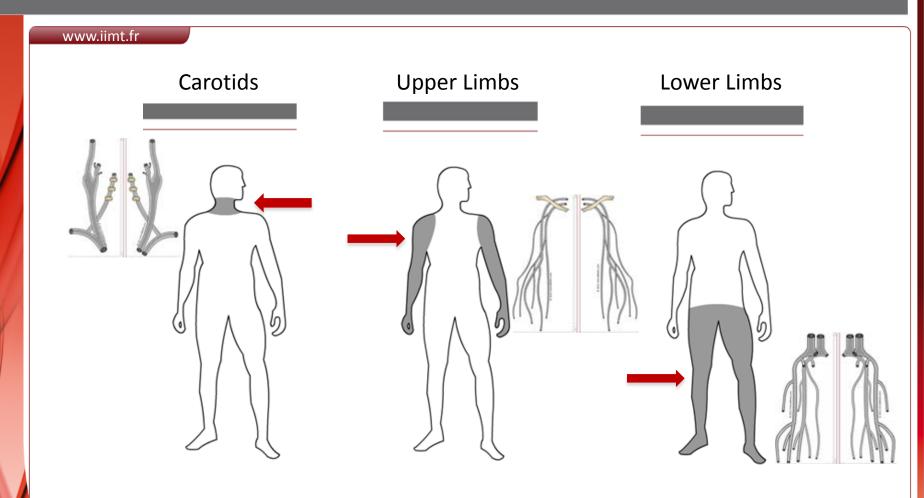
This availability is indicated by the acquire tab now appearing white within the navigation bar.



Once you are redirected to the acquisition page, you must first select the vascular region of interest...

# tmi

## Acquisition – Vascular Region of Interest



Select the vascular region of interest by clicking on the corresponding body segment.

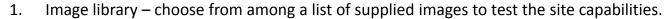
Once selected, you will be redirected to the acquisition page.



# Acquisition – Selecting Images



At the top-right of the acquisition page, there are 3 options for getting started:

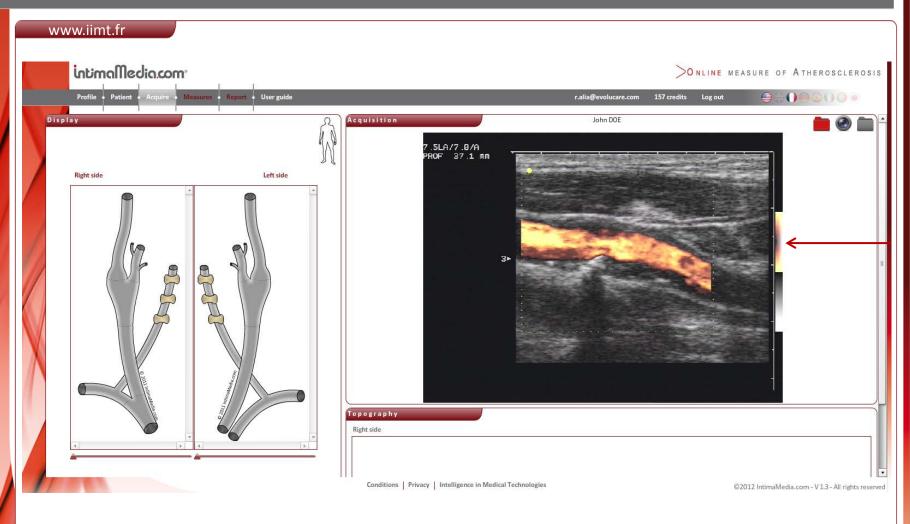


- 2. Video Stream connect with your ultrasound device for real-time image capture.
- 3. Browse select an image stored on your computer.





# Acquisition – Selecting Images



Whether you selected an image from the image library or from a file stored on your computer, once selected, it will be displayed in the window above.



## Acquisition – Video Capture



If you selected video stream, with the use of your ultrasound device, you will be able to directly view the artery of your patient in real-time in the window above.

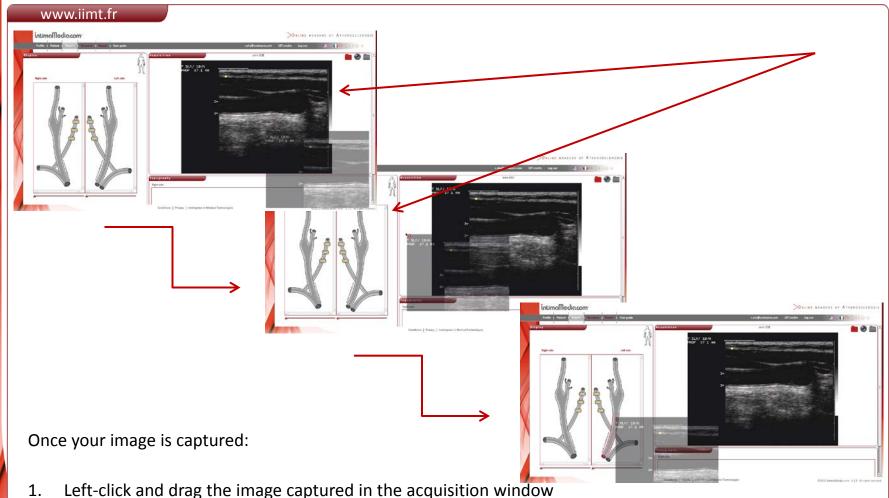


There are 3 options available when working with your ultrasound device:

- 1. Capture allows you to capture an image from the real-time ultrasound feed from your connected device.
- 2. Change the source allows you to connect with a different device.
- 3. Settings allows you to alter the settings of your device.



# Acquisition – Image Placement

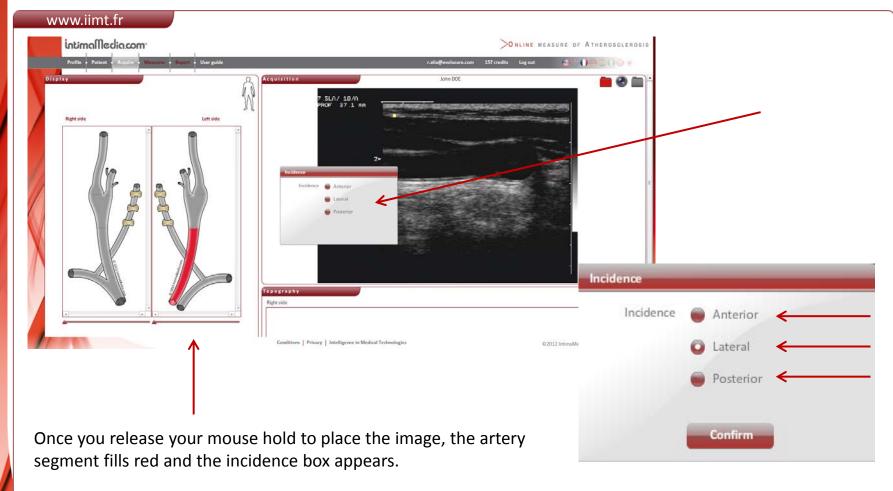


- To the corresponding artery segment within the display window

Once you drag and place the image over the corresponding artery segment, the segment in the display window turns red, designating that you can release the mouse hold to place the image.



# Acquisition - Incidence

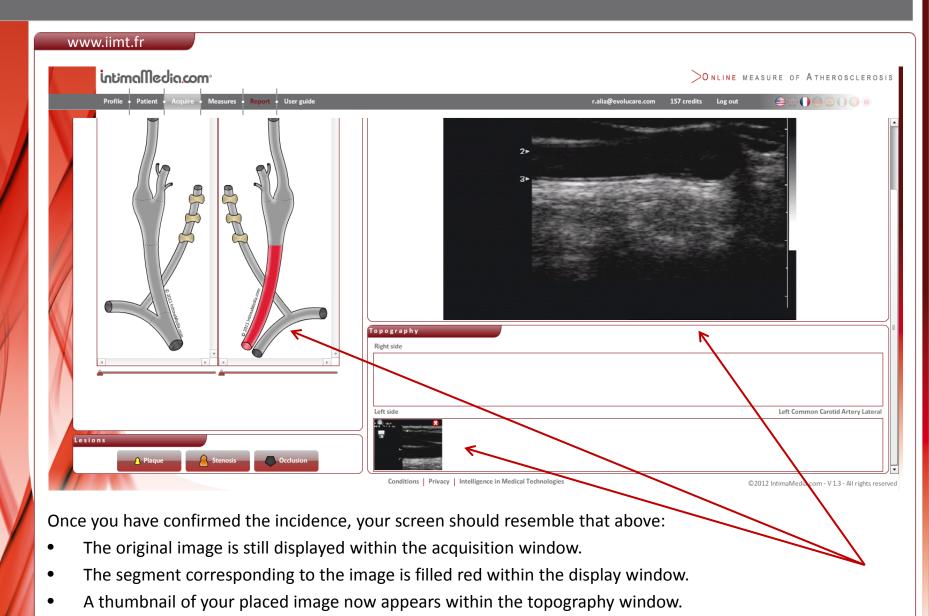


Select the option within the incidence box that corresponds to your ultrasound technique and click "confirm".

- Anterior
- Lateral
- Posterior

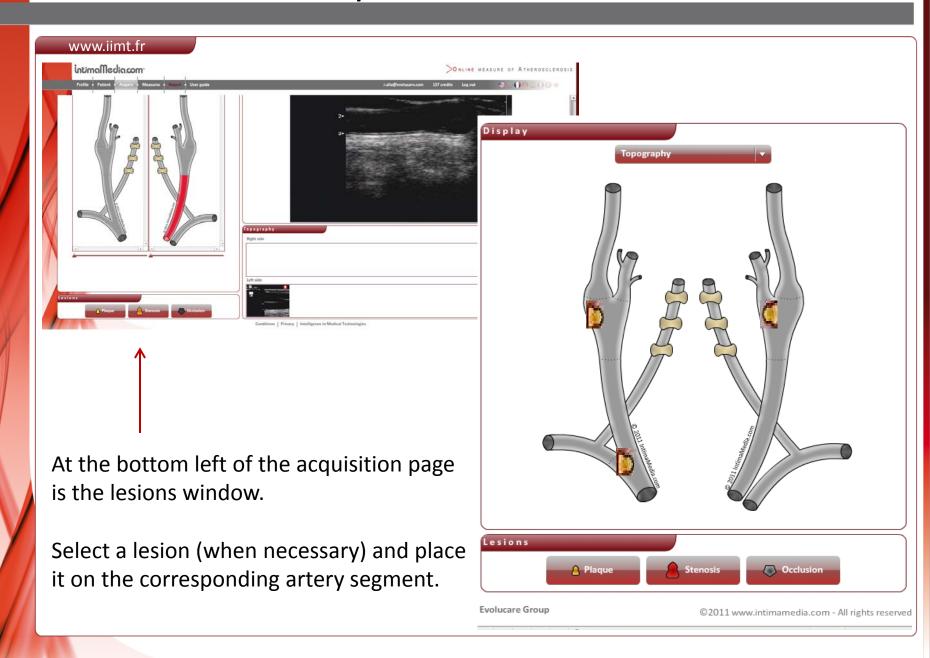


# Acquisition – Page Orientation





# **Acquisition - Lesions**





### Measures

www.iimt.fr

Once you have selected and placed your images, the measures page becomes available.

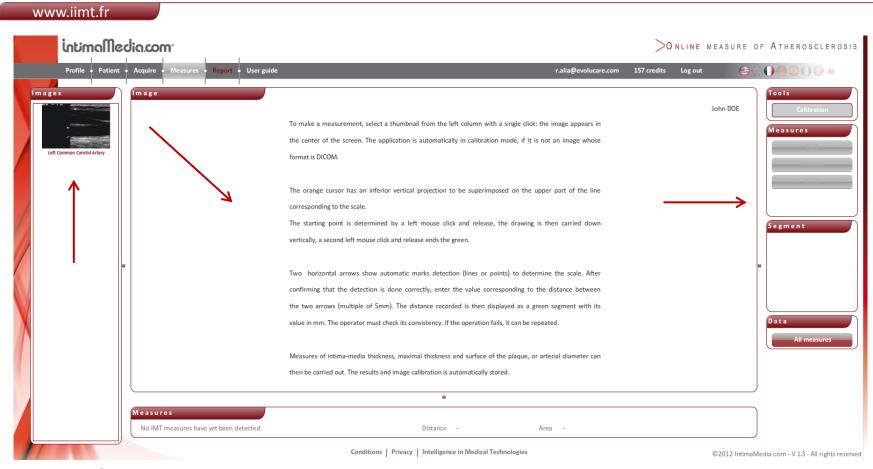
This availability is indicated by the measures tab now appearing white within the navigation bar.

Profile • Patient • Acquire • Measures • Report • User guide

Click the "measures" tab to begin analysis...



## Measures



When you first arrive at the measures page:

- Thumbnail(s) of your selected images are displayed in the images column on the left.
- The central window displays text on how to properly measure images.
- The tools, measures, segment and data windows are not yet available for selection in the column on the right.



## Measures

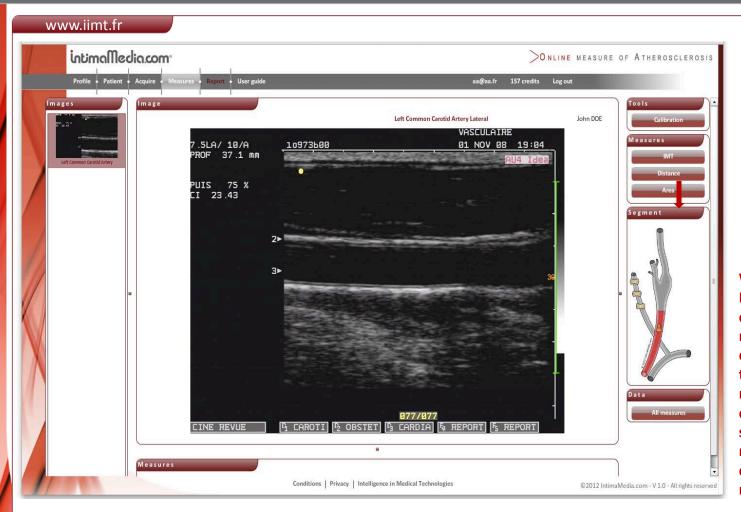


Once you click the thumbnail to select your image:

- The chosen thumbnail becomes highlighted within the images column.
- The central window now displays the image to be measured.
- Calibration becomes available within your tools window and the corresponding artery segment is visible within the segment window.



## **Measures - Calibration**



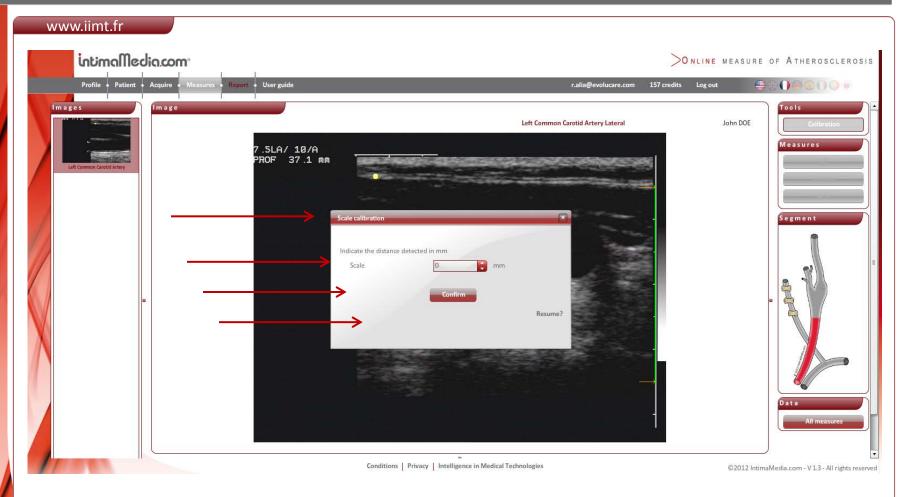
Warning:
IntimaMedia.com is
compatible with
many ultrasound
devices and image
types, therefore, it is
necessary to
calibrate the image
scale before taking
measurements to
ensure accurate
results.

### To Calibrate:

- 1. Left-click on a segment near the top of the scale on the right-side of the central image.
- 2. Draw a vertical line down the side of the image.
- 3. Left-click again on a segment near the bottom of the scale to end your line segment.



## Measures - Calibration



Once you have completed your line segment, the scale calibration box appears.

- Enter your scale in millimeters.
- Click "confirm" to continue to measures or
- Click "resume" to recalibrate.



## Measures - IMT



Once the image is calibrated, you can begin making measurements.

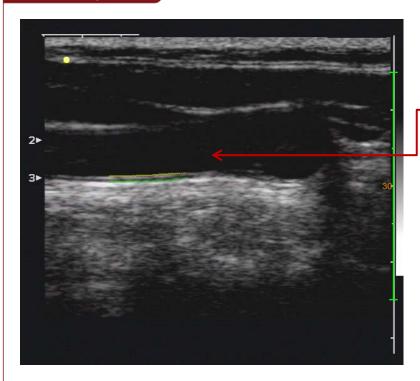
#### To measure IMT:

- Select the IMT measure from the measures window.
- Left-click and drag a line segment parallel to the far or near wall.
- Release the mouse hold as soon as the line segment changes from red to green.



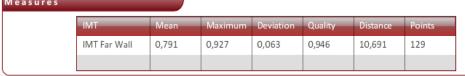
## Measures - IMT

### www.iimt.fr



Once you release your hold on the mouse, the lines designating IMT appear on your image in yellow and green.

Below this image on the measures page are listed all the IMT measurements found within the measures window.



These measurements include...



## Measures - Area

### www.iimt.fr



### To measure Area:

- Select the area measure from the measures window.
- Left-click and drag a line segment. Continue this step as many times as necessary to outline your object or draw your shape.
- Double-click when your desired outline is complete.

Scale 0,0394 null Distance -Area 5,8993 mm<sup>3</sup>

Results are displayed below the image within the measures window.



## Measures - Distance

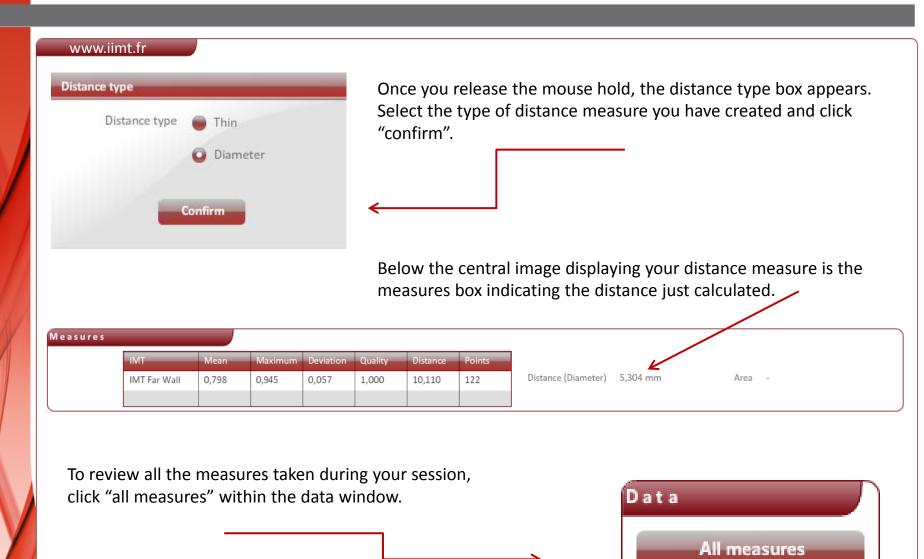


#### To measure Distance:

- Select the distance measure from the measures window.
- Left-click and drag the line the desired distance.
- Release the mouse hold once the desired distance is reached.

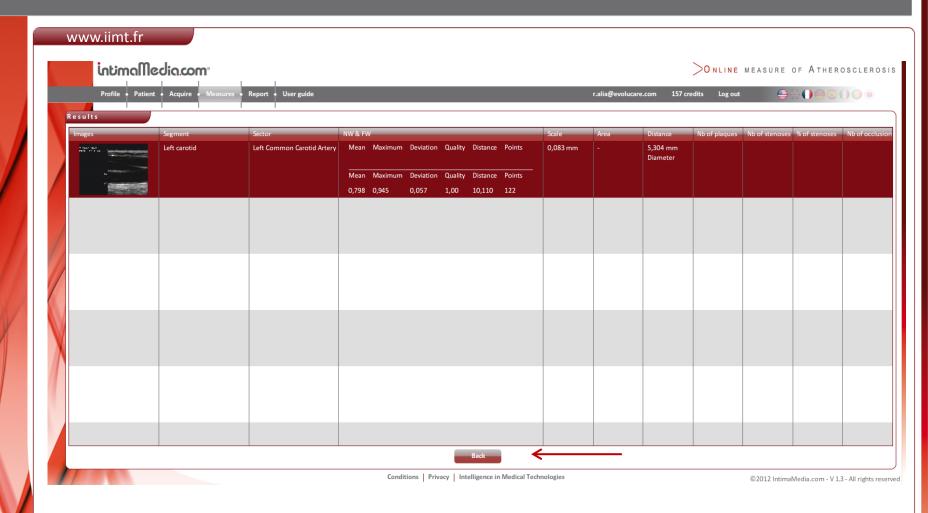


## Measures - Distance





## Measures – All Measures



Once you click "all measures" the screen rotates to reveal a list of your results for review. Click "back" when you wish to return to measures.



## Reporting

www.iimt.fr

Once you have measured all your images, the report page becomes available.

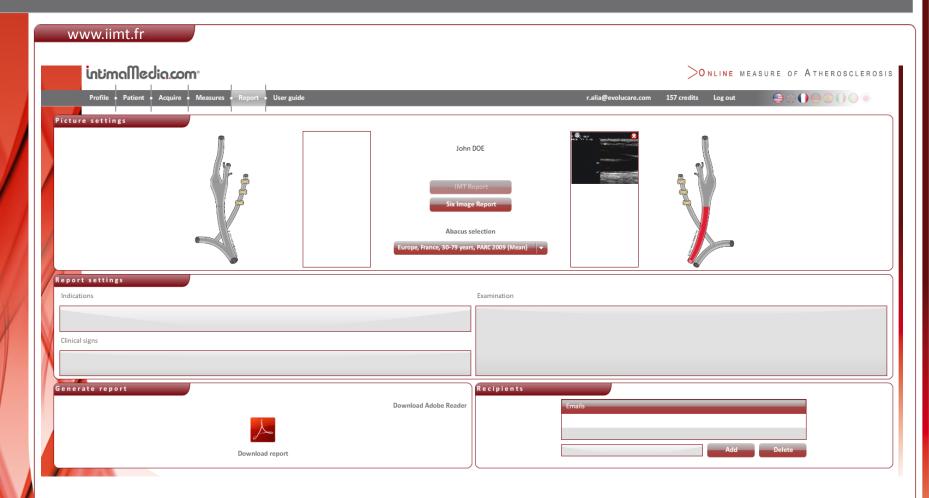
This availability is indicated by the report tab now appearing white within the navigation bar.



Click the "report" tab to generate analysis reports...



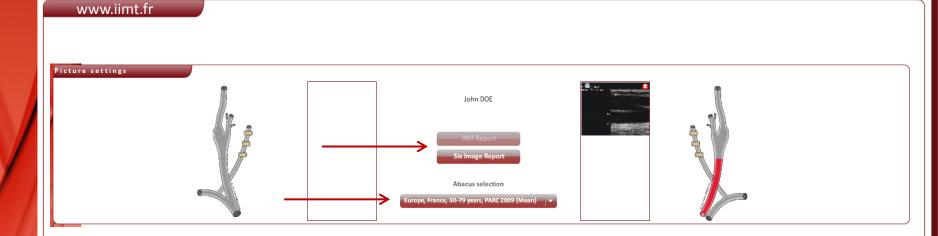
# Reporting



The report page enables you to customize your analysis before printing, emailing or saving.



# Reporting – Picture Settings



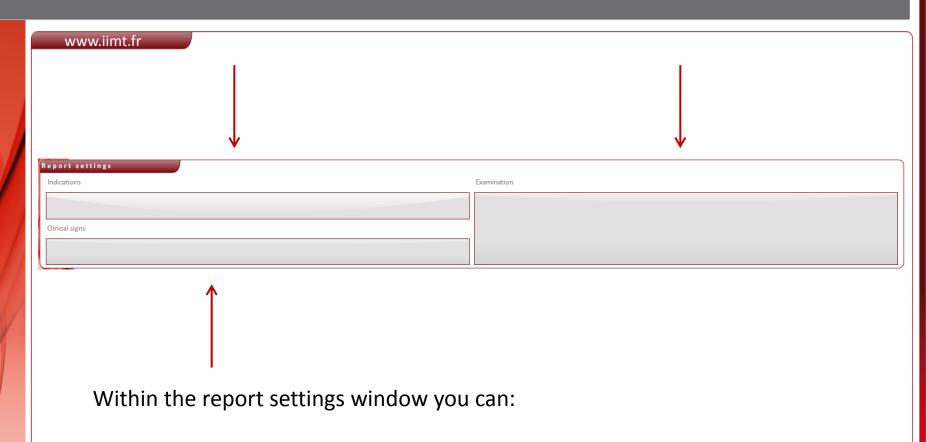
Within the picture settings window you can:

- 1. Select between a standard IMT report and a six image report
- 2. Make your Abacus selection

Abacus refers to the various studies completed for which we have reference values. It is important to compare, when possible, your patient's results against this database of known reference values to arrive at an estimate of your patient's risk versus that of the general population.



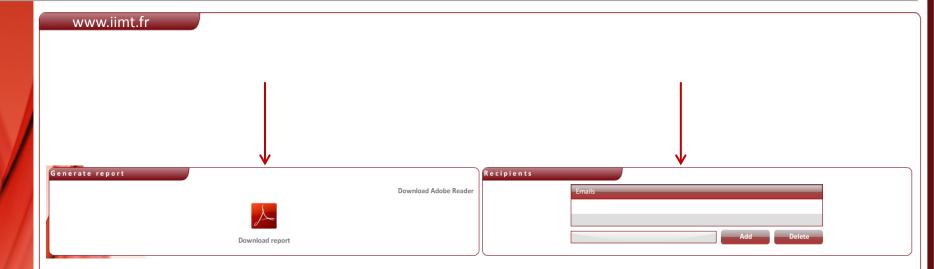
# Reporting – Report Settings



- 1. Enter your indications
- 2. Enter your clinical signs
- 3. Enter your examination notes



## Reporting – Generate & Recipients



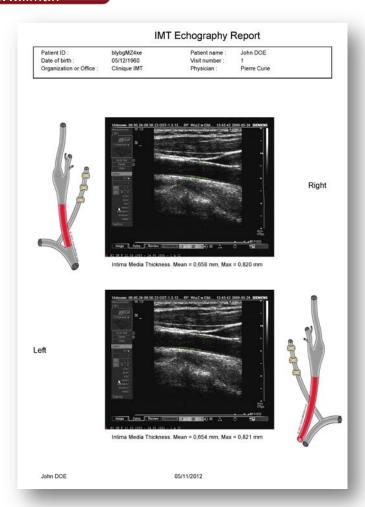
Within the generate report and recipients windows you can:

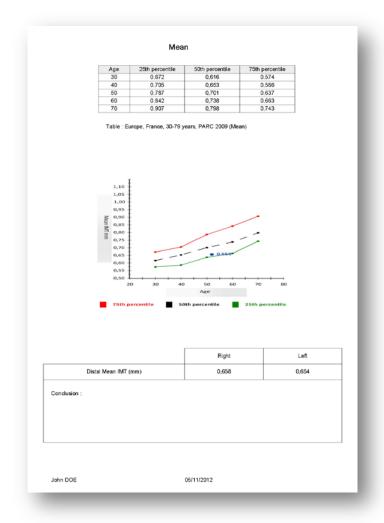
- 1. Download a pdf report including your previously entered notations
- 2. Send the report to email recipients



# Reporting – Sample IMT Report

### www.iimt.fr

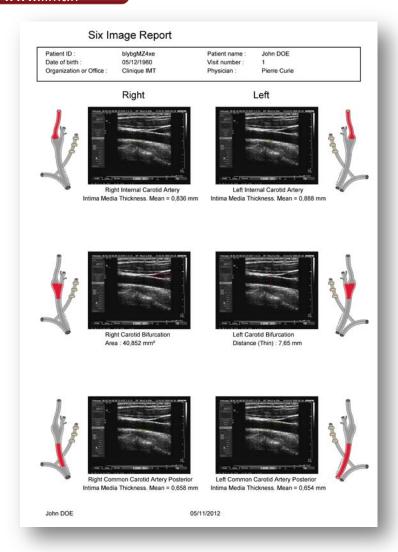


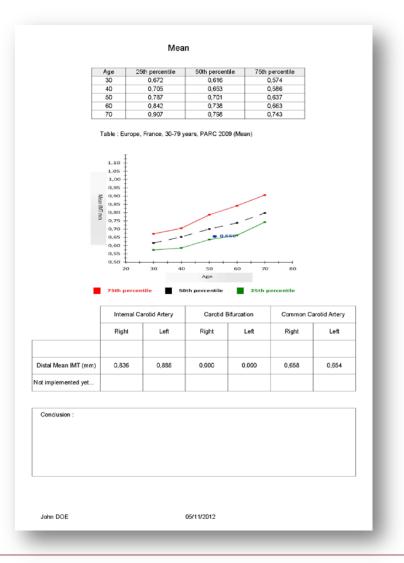




# Reporting – Sample 6 Image Report

### www.iimt.fr







## IntimaMedia.com Features

#### www.iimt.fr

- Compatible with all operating systems
- Utilizes live images from most ultrasound devices or stored images from selected sources
- Measures IMT and provides manual measurements for Area and Distance
- Displays Mean, Max, Standard Deviation, Quality Index, Distance & Point values
- Data is stored on secure host servers and saved according to industry regulations
- Accessible worldwide
- Maintained and updated automatically
- Compatible with DICOM and jpeg image formats

Thank you for using IntimaMedia.com!