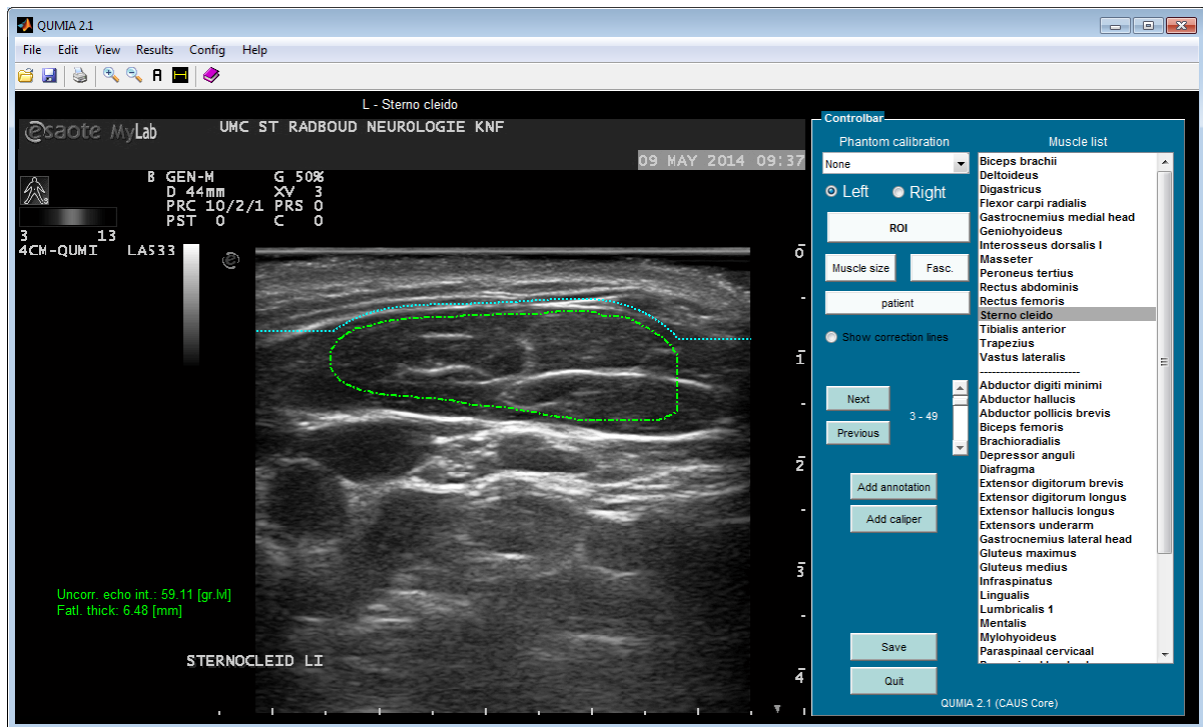


Quick manual QUMIA 2.1



1. Select folder where dicom files are stored via the menubar (File -> Open)
2. Enter patient data
3. Use 'Next' or 'Previous' button in Controlbar to toggle between dicom images.
4. Select corresponding muscle from 'Muscle list' and select 'Left' or 'Right' side per muscle
5. Click 'ROI' button and draw region of interest. ROI can be removed via menubar: Edit -> Remove ROI or click 'ROI' button again to redraw region of interest.
6. After drawing all ROIs click 'Save' button to store data. An overview is given of all gray levels of the muscles.

Optional features

- A gray level histogram of the muscle can be shown via the menubar (View -> Histogram).
- Use 'Add annotation' or 'Add caliper' to annotate or calculate distance in an image. Annotations and calipers can be removed via the menubar (Edit)
- 'Muscle Size' and 'Fasc' button can be used to store muscle and fatlayer thickness and store the number of fasciculations present during echo measurement.

Create Excel output

To create an excel sheet of your qumia results per measurement and averaged per muscle you can select 'Results -> Recalculate ROIs with Excel output' from the menubar. Then select the folder where you have stored all patient folders with your dicom files and ROI data. Do not select individual patient folders. Excel files are stored within the selected folder.

For troubleshooting contact: jonne.doorduyn@radboudumc.nl