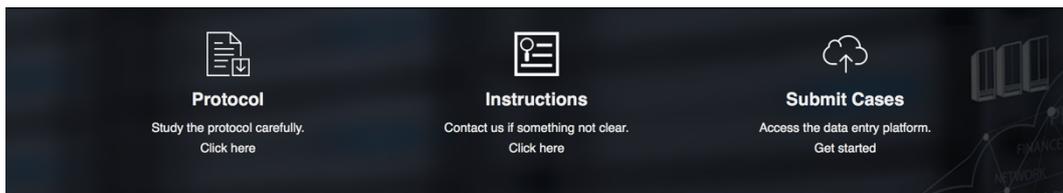


We have developed a simple and user friendly electronic **Data Entry Management System (DEMS)** to ensure secure, easy and accurate data collection obtained from the collaborators of the participating centres.

- 1 **Login** to the website by clicking on the “**Sign In**” button available at the end of the homepage to access all necessary study documents and submit your cases online. To do so, please type in your username and password at the "User Account" page available <https://livervision.org/?q=user>



Sign In



Home » User account

User account

[Log in](#) [Request new password](#)

Username *

Member

Enter your LiverVision.org username.

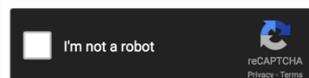
Password *

.....

Enter the password that accompanies your username.

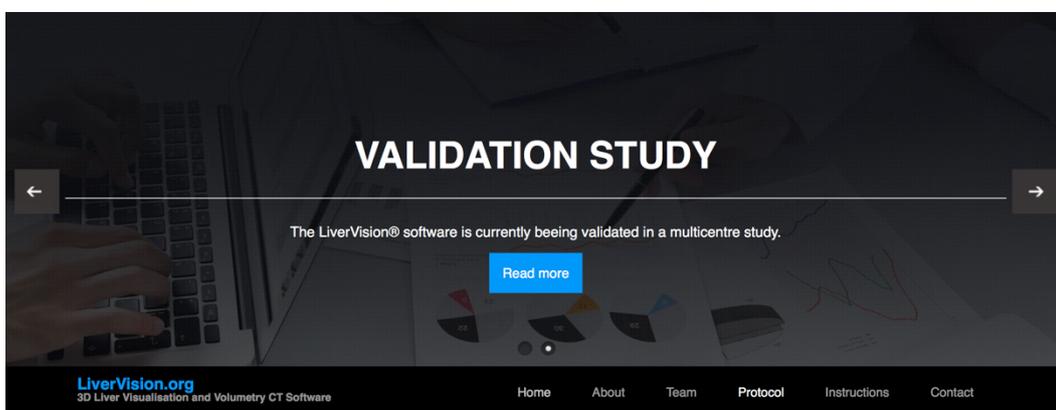
CAPTCHA

This question is for testing whether or not you are a human visitor and to prevent automated spam submissions.



Log in

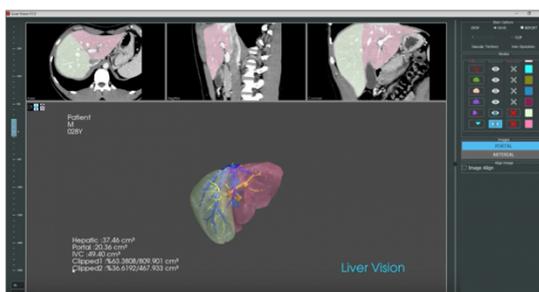
- 2 Your **account login details** including your **username and password** were provided to you by email sent from our study co-PI, **Dimitri Raptis** (draptis@btinternet.com) at the Royal Free Hospital (see below how to contact us). If for any reason you did not receive this email, please check your spam folder or contact Dimitri Raptis to send it to you again.
- 3 Please ensure that you have carefully read the study **protocol** before attempting entering cases at our Data Entry Management System (DEMS). To do so, please click on the “**Protocol**” link at the main menu bar as shown below. Alternatively you may directly access the study **protocol** using the following link: <https://livervision.org/?q=protocol>



[Home](#) » [Protocol](#)

Protocol

Accuracy of established manual versus new automated liver volumetry software in patients undergoing liver surgery and living donor liver transplantation

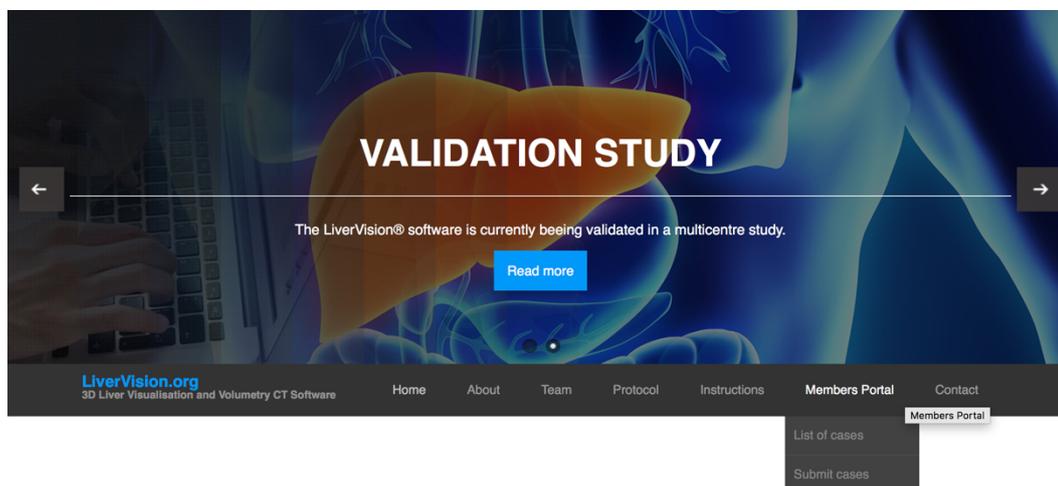


Background

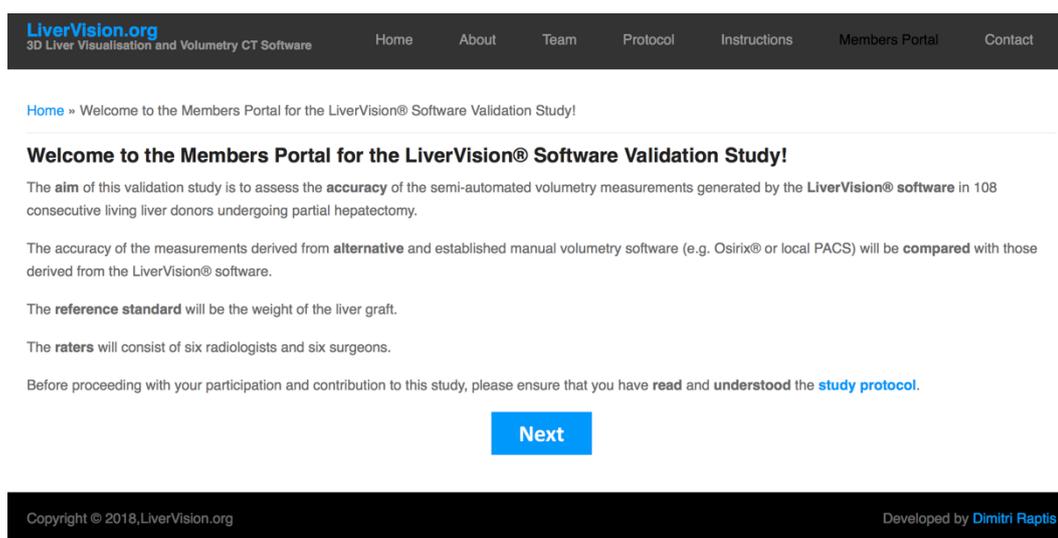
Liver volumetry has been widely used in liver surgery and living donor liver transplantation to estimate the future liver remnant or the required liver volume for the recipient, respectively.

Liver volumetry is typically performed using CT imaging with specially designed software. Such manual measurements are time consuming and there is an ongoing debate whether they reflect the actual liver volume when performed by radiologists or surgeons as well as according to the different software currently available in the market.

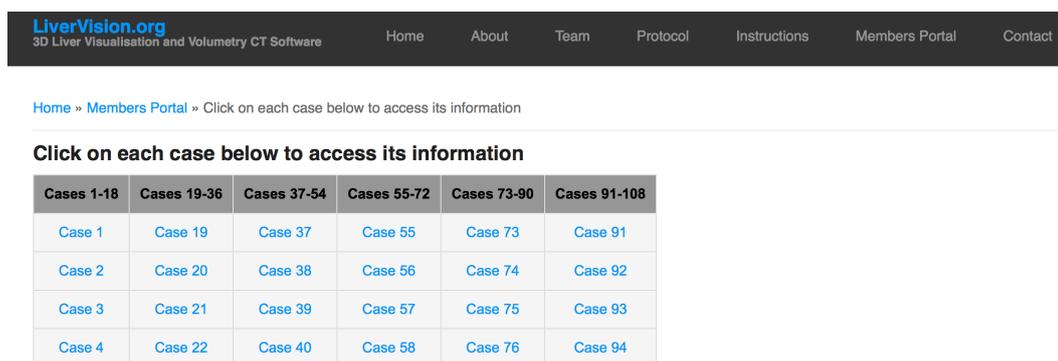
4 To start **submitting your cases** to our electronic **Data Management System (DEMS)** please click on the “**Members Portal**” link available in the platform as shown below:



Then you will be directed to a welcome page as shown below. Please click on the next button:



Then you will be directed to the “List of cases” page as shown below:



The list of cases contains all 108 cases included in the study. At the end of this page there is a PDF icon, please click on it to download a PDF printable version. This will help you complete the study by crossing out each completed case and avoid confusion.

Case 13	Case 31	Case 49	Case 67	Case 85	Case 103
Case 14	Case 32	Case 50	Case 68	Case 86	Case 104
Case 15	Case 33	Case 51	Case 69	Case 87	Case 105
Case 16	Case 34	Case 52	Case 70	Case 88	Case 106
Case 17	Case 35	Case 53	Case 71	Case 89	Case 107
Case 18	Case 36	Case 54	Case 72	Case 90	Case 108

Click on the icon below to download a printable version of the list of cases. You may cross out every case you have completed or make additional notes.



Please click on each case to obtain important information that will guide you to complete your volumetric measurements as shown below:

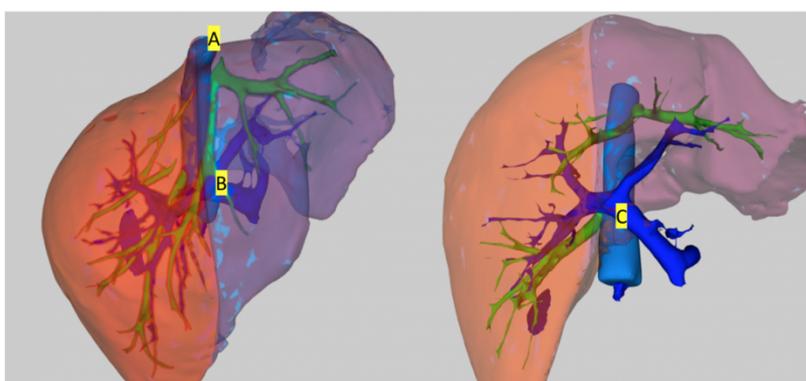


[Home](#) » [Case 101](#)

Case 101

- Gender: Male
- Age: 30
- Hepatectomy: Left (+MHV+S1)
- Middle hepatic vein: With the graft
- Caudate lobe: With the graft

[Submit](#)



Then click on the **submit button** after you have completed your volumetry measurements.

- The **Data Entry Management System (DEMS)** consists of a simple electronic form that you may fill in the data for each case (see image below). The **DEMS** can be also **accessed directly** using the following link: https://livervision.org/?q=case_submission

Fields including a red star at the end of the name of the parameter (*) are mandatory to be able to submit each case. For example, each case should be assigned with a unique Case ID, the first field in the form shown below. If this information is missing, you will not be able to submit the case.

Submit your measurement and evaluation

Case characteristics

Case ID * - Select -

Planned hepatectomy *

Right with MHV

Right without MHV

Left with caudate lobe

Left without caudate lobe

Right hepatectomy indicates segments 5-8. Left hepatectomy indicates segments 2-4.

Imaging characteristics

Quality of CT scan *

	Poor	Fair	Good	Very good	Excellent
Portal venous phase contrast *	<input type="radio"/>				
Third-order portal vein branching *	<input type="radio"/>				
Overall quality *	<input type="radio"/>				

A very good portal venous phase contrast indicates that the portal veins are clearly distinguished, visibly, as well by the liver volumetry software. Similarly, a very good third-order portal vein branching indicates that third-order branches are clearly distinguished, visibly, as well by the liver volumetry software. A very good overall quality of the CT scan images combines that above and indicates that the software could easily identify the veins and mask the liver parenchyma without significant additional manipulation by the user.

Further instructions and descriptions are available in this page for each parameter. If something is not clear to you please contact us before submitting any cases.

- Please click on the **“Submit”** button **only once** and wait until you receive a **confirmation** message on the top of your screen. You will be immediately redirected on the **“List of cases”** page so that you can continue directly with the next case, as shown below:

Home » Members Portal » Click on each case below to access its information

We have received your submission. Thank you! Please proceed with the next case.

Click on each case below to access its information

Cases 1-18	Cases 19-36	Cases 37-54	Cases 55-72	Cases 73-90	Cases 91-108
Case 1	Case 19	Case 37	Case 55	Case 73	Case 91
Case 2	Case 20	Case 38	Case 56	Case 74	Case 92
Case 3	Case 21	Case 39	Case 57	Case 75	Case 93
Case 4	Case 22	Case 40	Case 58	Case 76	Case 94
Case 5	Case 23	Case 41	Case 59	Case 77	Case 95

- 7 If for any reason you would like to access the list of your previous case submissions, please click on the “**My submitted cases.**” link available on the “Members Portal” menu bar. Alternatively, you may access your previous submissions by simply following the link below:

<https://livervision.org/?q=node/14/submissions>

Home » Members Portal » Submissions for Member

Submissions for Member

Showing 1 - 1 of 1.

#	Case ID	Planned hepatectomy	Submitted	Modified	Operations
1	Case 1	Right with MHV	29/04/2018 - 20:32	29/04/2018 - 20:32	view edit

This link to your previously submitted cases is also available at the top of the submission form, as soon as you have submitted at least one case, as shown below:

- 8

Home » Members Portal » Submit your measurement and evaluation

You have already submitted this form. [View your previous submissions.](#)

Submit your measurement and evaluation

Case characteristics

Case ID * - Select -

Planned hepatectomy *

Right with MHV

Right without MHV

Left with caudate lobe

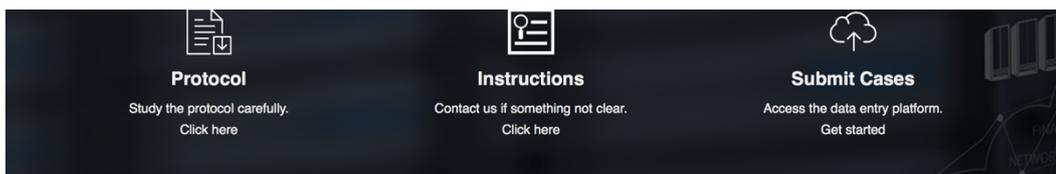
Left without caudate lobe

Right hepatectomy indicates segments 5-8. Left hepatectomy indicates segments 2-4.

Then you will be provided with the list of cases (only the ones that you have submitted) where you may view or edit again.

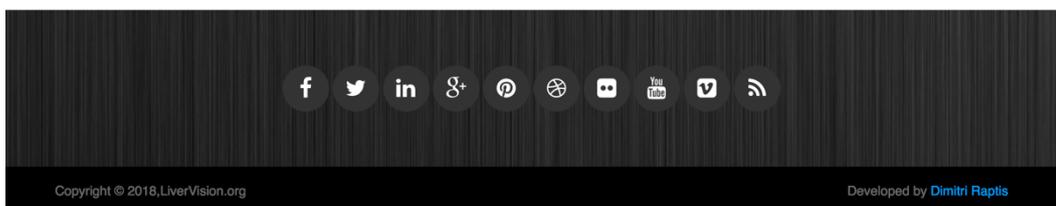
Please make sure you save your changes by clicking on the “**Submit**” button at the end of the page.

- 9 If you would like to log out from the platform then click on the home page and you will find the button at the end of the page as shown below:



Get started

Log out



- 10 If you have any **questions** or something is **not clear** regarding the study design, protocol or DEMS, please contact **Dimitri Raptis** by using our **online contact form** or by contacting him **directly** (by email: draptis@btinternet.com or mobile / +447584560889).