



Simplifying Diagnostics

# MESIresults

**Version 3.1.0**

**Software extensions: Pulse Wave Velocity and Direct Central Blood Pressure**

**[UPDATE INFORMATION]**

March 2020

# About new MESIresults version

**We have released a new version of the MESIresults application which accompanies MESI ABPI MD.**

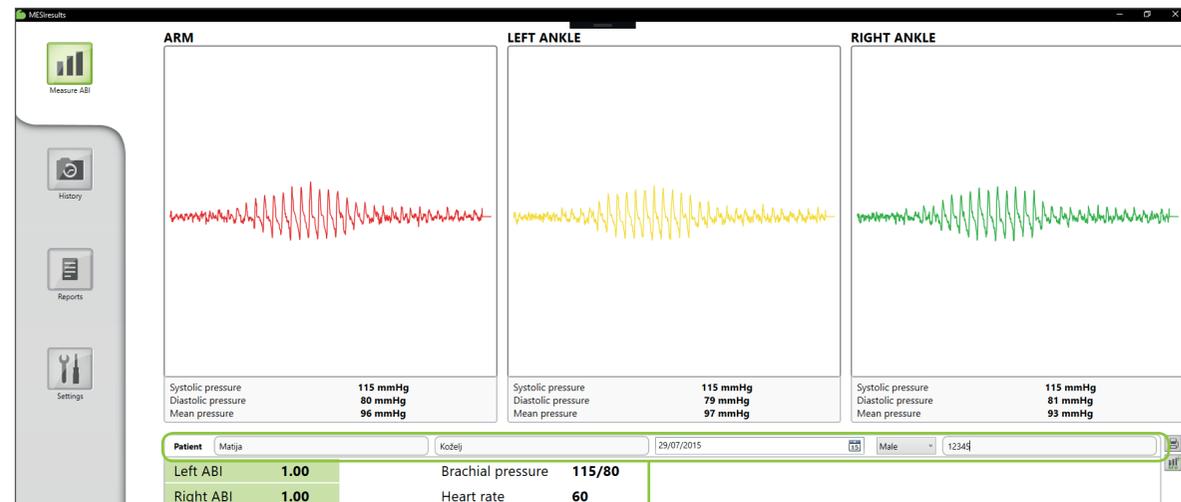
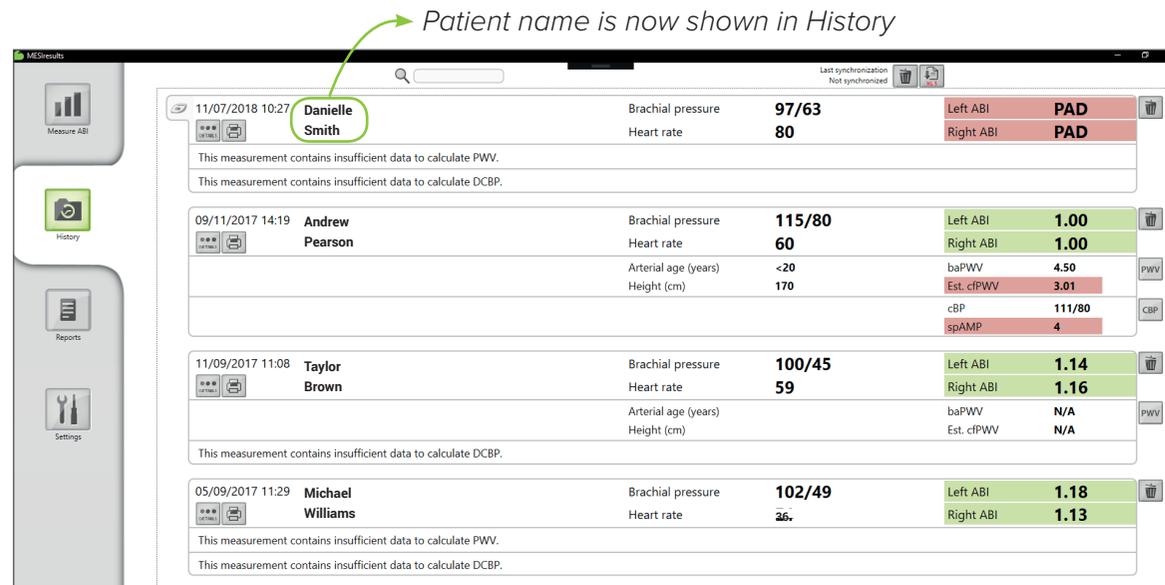
Version 3.1.0:

- **NEW FUNCTIONALITY:**
  - Customizable folder path for measurement files
- Corrected Spanish and Dutch translations
- Fixed issues with app crashes

# Adding patient information

With the new MESResults, you can save the patient's information either during the measurement or when reviewing the measurement result.

The patient's name is now shown in the 'History' panel, so you can find the measurement faster.



Add patient information: Name, Surname, Date of Birth, Sex and Patient ID

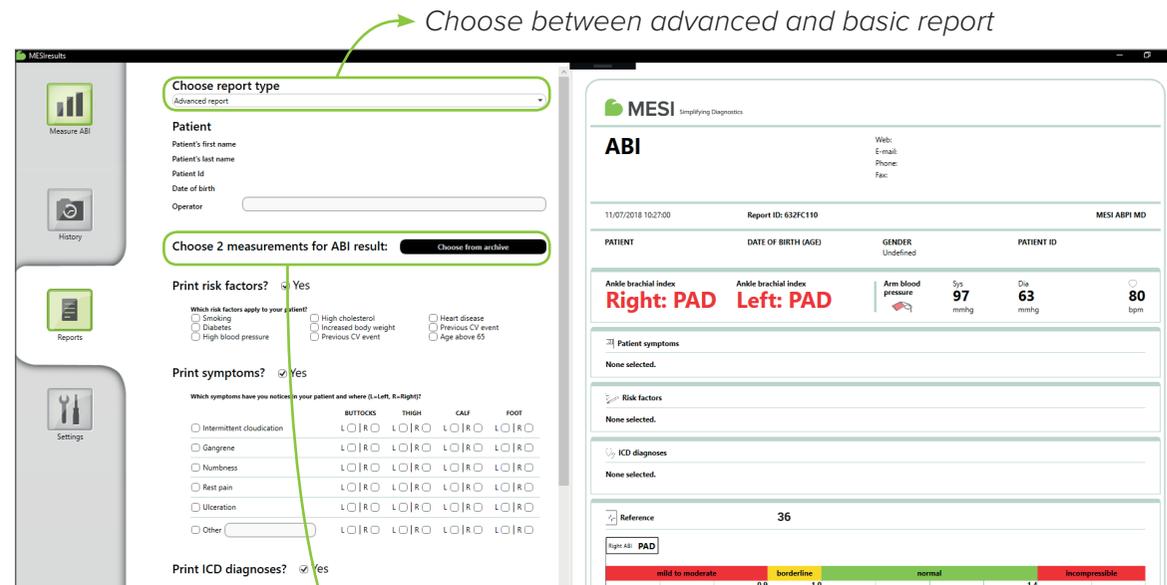
# Advanced reports

New MESIresults enables combining two measurements in a single report, for both left and right arm. In the combined report, the arm with the higher blood pressure of the two will automatically be selected for ABI calculation.

Each user can also add different parameters to the report:

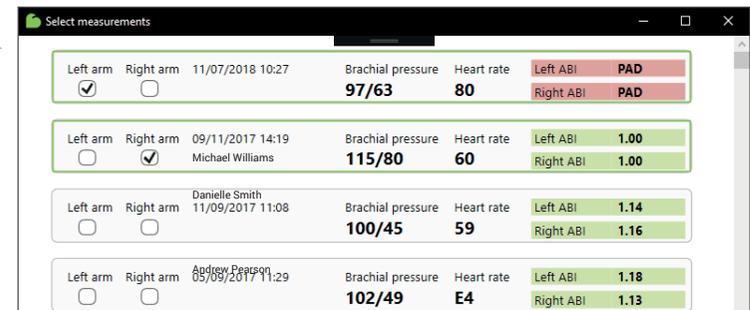
- risk factors,
- detailed patient symptoms,
- up to three ICD diagnoses,
- reference scale,
- graphs,
- PWV result,
- DCBP result.

Patient data is filled out automatically from the measurement.

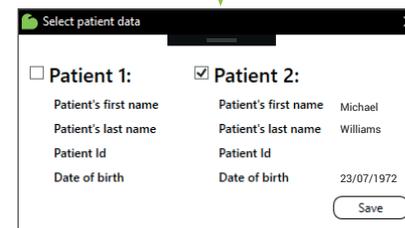


Choose between advanced and basic report

From this menu you can choose both measurement performed on the same patient. When combining two measurements, make sure you remember on which arme the cuff was placed.



If you chose two measurements where only one has patient data, you can choose which patient data to use.



# Report archive

All reports that have been printed or saved can be found in the Report archive.

The reports listed here have already been printed and are thus only available for printing.

Date	Patient	Report Type	Report ID	Left ABI	Right ABI
18/01/2019 09:51	Andrew Pearson	Advanced report	5C1FE428	1.00	1.00
18/01/2019 09:46	Danielle Smith	Standard report	3605F811	1.00	1.00
18/01/2019 08:42	Michael Williams	Standard report	8D88D499	1.00	1.00
18/01/2019 08:41	Michael Williams	Advanced report	E78CEC7F	1.00	1.00

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## ABI

Web:  
E-mail:  
Phone:  
Fax:

09/11/2017 14:19:52 Report ID: 632FC110 MESI ABPI MD

PATIENT	DATE OF BIRTH (AGE)	GENDER	PATIENT ID
Michael Williams	29/07/2015 (3)	Undefined	

Ankle brachial index	Ankle brachial index	Right arm blood pressure	Sys	Dia	
Right: 1.00	Left: 1.00	115 mmHg	80 mmHg	60 bpm	

\*Result has been taken from the measurement with the higher arm blood pressure.

115 / 80 97 / 63

Patient symptoms  
None selected.

Risk factors  
None selected.

ICD diagnoses  
None selected.

Reference

# Print settings

We have reorganized the Settings panel of the MESIresults. There is a new section Printouts, where your customers can set printing settings and type of default report.

*Print black & white optimized results only*

*Choose which type of report will you primarily print*

# Saving measurements

Each member of the team can have their own user account which will save only measurements done or transferred while they are logged in with the account.

This provides patient privacy, so every member of the team can access measurements of their own patients.

All measurements done prior to the software update will be synchronized with all users of the same computer.

Each user will have their own folder on the computer where they can find their measurements.

Date/Time	Patient Name	Brachial pressure	Heart rate	Left ABI	Right ABI	Other Metrics
11/07/2018 10:27		97/63	80	PAD	PAD	
This measurement contains insufficient data to calculate PWV. This measurement contains insufficient data to calculate DCBP.						
09/11/2017 14:19	Matija Koželj	115/80	60	1.00	1.00	baPWV 4.50, Est. cPWV 3.01, cBP 111/80, spAMP 4
11/09/2017 11:08		100/45	59	1.14	1.16	baPWV N/A, Est. cPWV N/A
This measurement contains insufficient data to calculate DCBP.						
05/09/2017 11:29		102/49	E4	1.18	1.13	
This measurement contains insufficient data to calculate PWV. This measurement contains insufficient data to calculate DCBP.						
15/09/2017 15:25	Test Patient	108/70	71	1.34	1.33	baPWV N/A, Est. cPWV N/A

Current User: Doctor Test Logout GDT Status: OFF, No measurements pending Disconnected

Check if you are logged in with the right user account

# Customizable folder path for measurement files

You can now set the folder path where you want to save all measurement report files. This also allows you to share the measurement reports with other Windows accounts/users. In this case, all users need to set the same measurement folder path.

The measurements folder path setting is located in the Printouts section of the Settings tab. You can set the path by browsing and choosing it in the file dialog or by entering it manually in the text input. After you select the new path, you need to click the save button next to the path text field to confirm the use of the new measurements folder path.

Upon your confirmation, all current measurements will be copied into the new folder.

*Browse and select new measurements folder path*

*OR Enter folder path manually*

*Confirm the new measurements folder path*

# About Pulse Wave Velocity

PWV extension for MESIresults – desktop software complimentary for MESI ABPI MD – enables a calculation of Brachial-Ankle Pulse Wave Velocity and estimation of aortic stiffness during the standard 1-minute recording with the MESI ABPI MD device.

Pulse Wave Velocity predicts future cardiovascular events and all-cause mortality independent of conventional cardiovascular risk factors. It is a useful additional test in the investigation of hypertension.

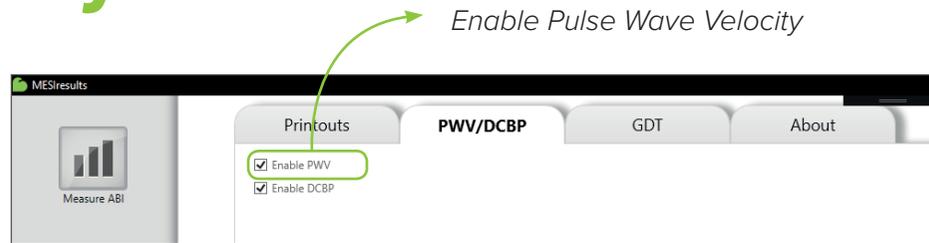
Pulse Wave Velocity works with all MESI ABPI MD devices.



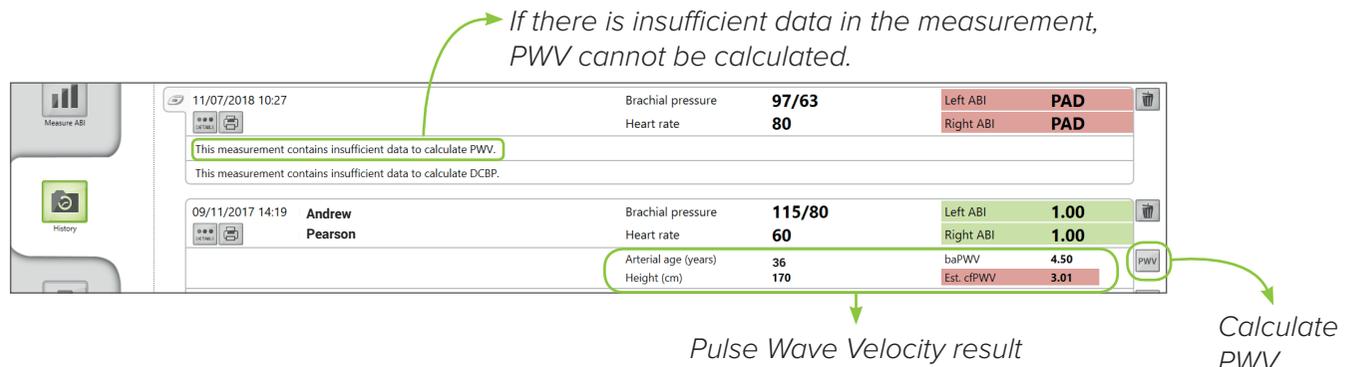
Pulse Wave Velocity license comes in a separate box installed on a USB.  
Ask your distributor for more information about this product.

# Pulse Wave Velocity

For Pulse Wave Velocity installation, follow the instructions in the box.

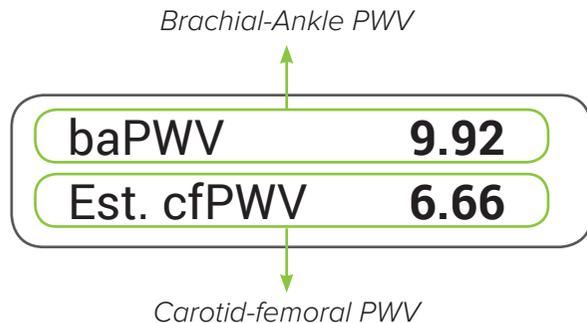


Run the MESSresults application, go to Settings, open PWV/DCBP tab and click on the 'Enable PWV' checkbox. When PWV is enabled, you will be able to see the calculation buttons next to the measurements in the History tab and on the measurement itself.



For the app to properly assess arterial age, you will need to enter the patient's height and date of birth before calculating PWV.

## PWV result



# About Direct Central Blood Pressure

Direct Central Blood Pressure (DCBP) is the blood pressure measured at the central aortic level, the direct pressure on the heart, brain and kidneys. Several studies have shown that Central Blood Pressure is a better predictor of cardiovascular risk than Peripheral Blood Pressure.

DCBP is particularly appreciated in cardiology, diabetology, vascular medicine, nephrology and general practice as it improves cardiovascular risk evaluation and is a better measurement for managing hypertension.

Direct Central Blood Pressure works with all MESI ABPI MD devices.



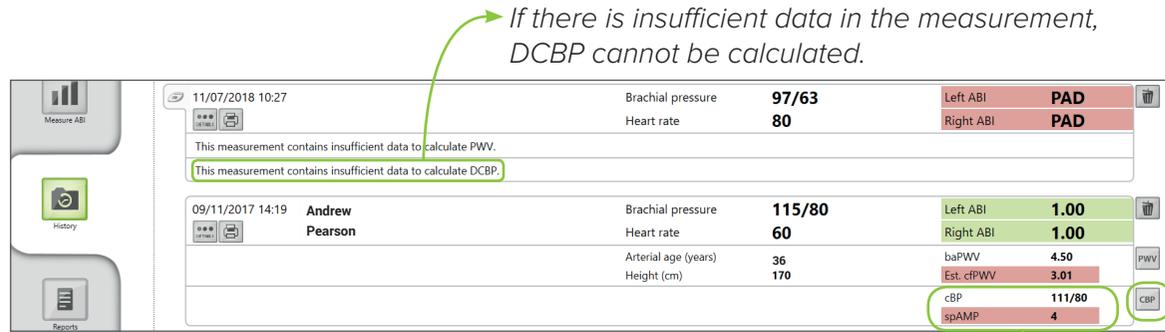
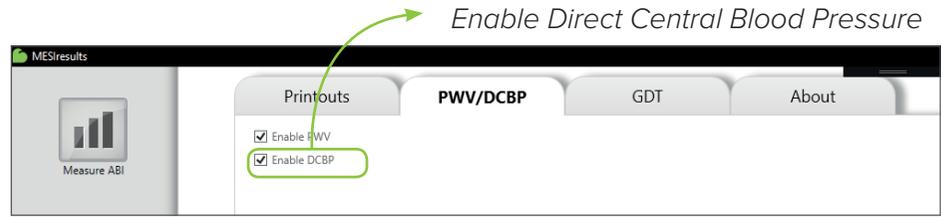
Direct Central Blood Pressure license comes in a separate box installed on a USB.

Ask your distributor for more information about this product.

# Direct Central Blood Pressure

For Direct Central Blood Pressure installation, follow the instructions in the box.

Run the MESResults application, go to Settings, open PWV/DCBP tab and click on the 'Enable DCBP' checkbox. When DCBP is enabled, the DCBP calculation will be made automatically and shown in the measurement result.

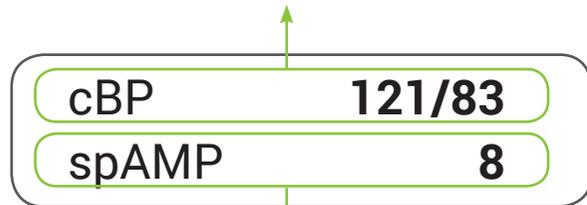


DCBP result

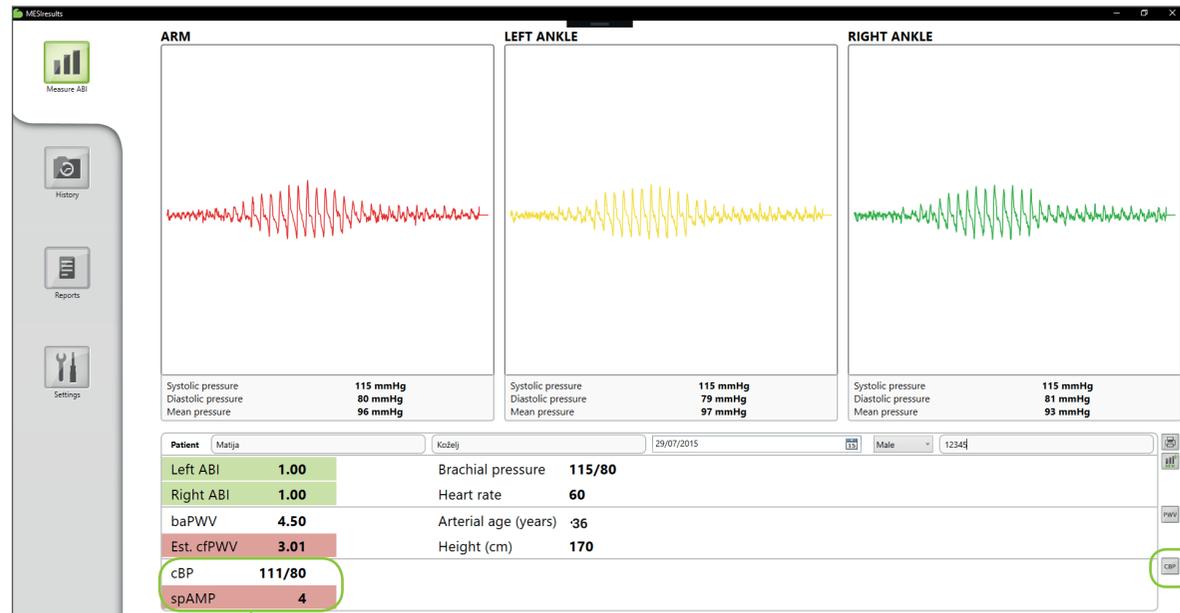
Calculate DCBP

## DCBP result

Central Arterial Blood Pressure



Systolic Pressure Amplification



DCBP result

Calculate DCBP



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