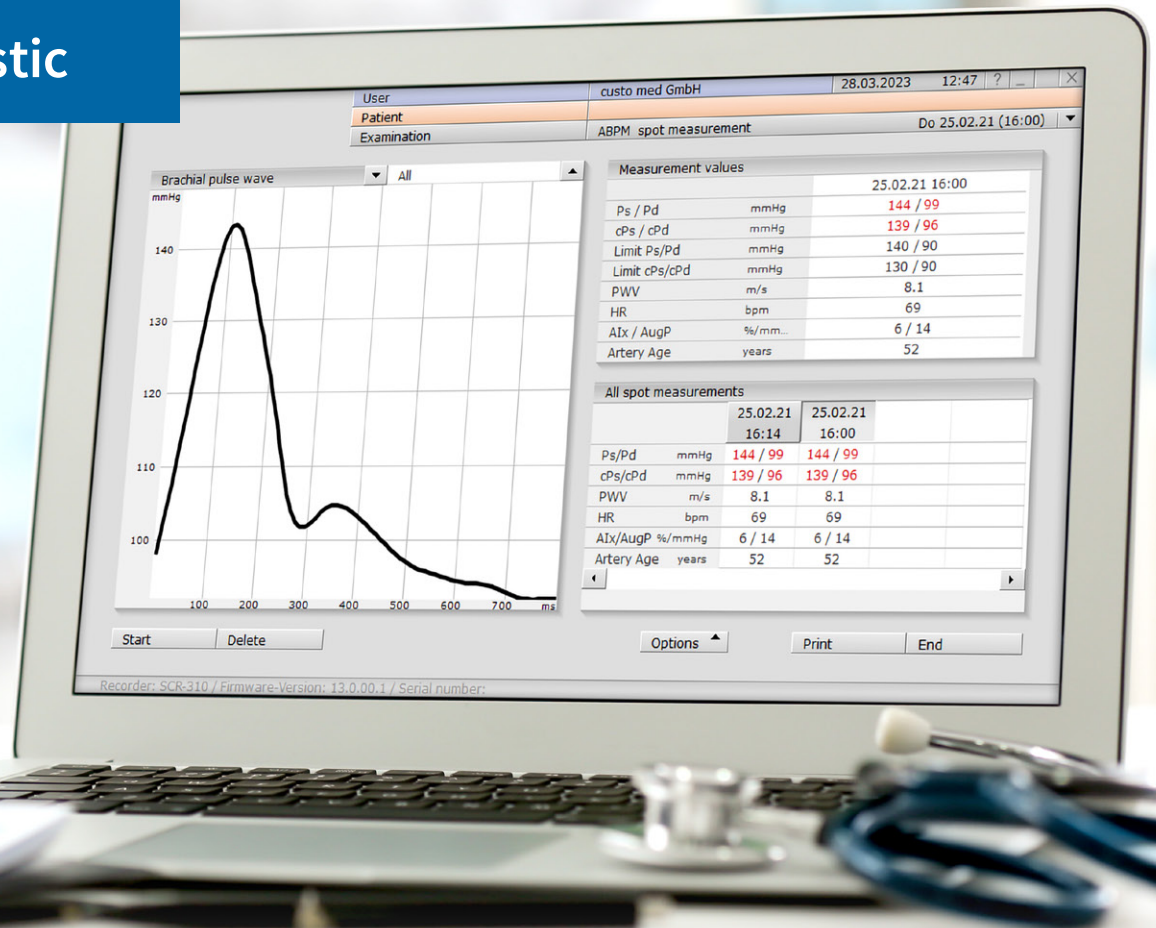


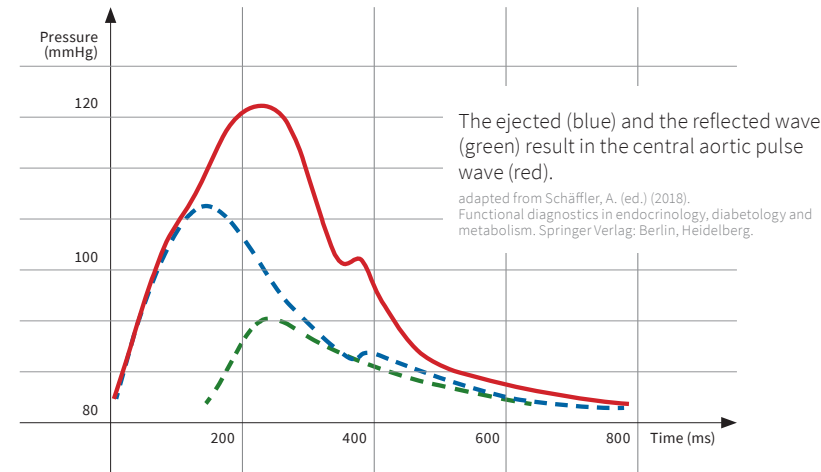
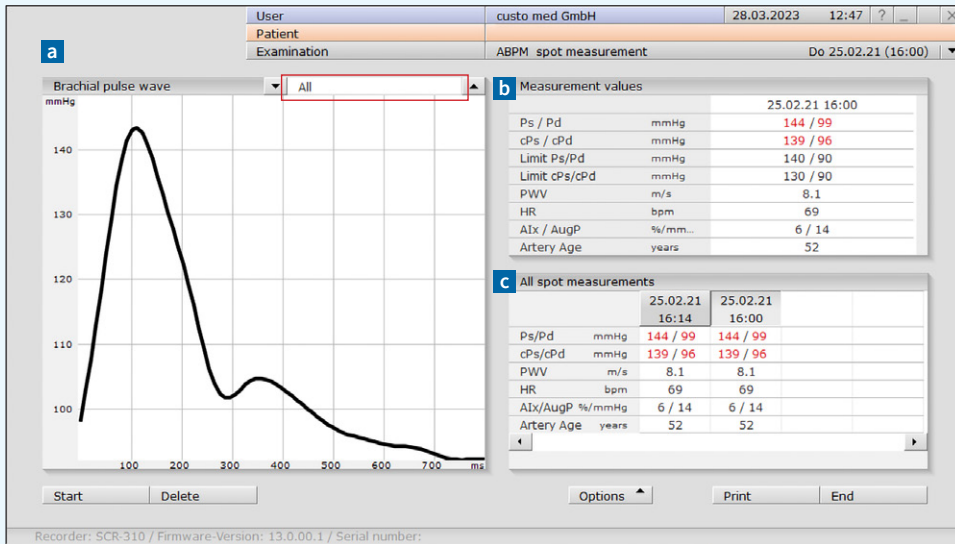


custo diagnostic – quick and easy!

The fast and easy way: Spot measurement in custo diagnostic



Spot measurement in the ABPM module



Spot measurement

“The measurement of arterial stiffness (...) provides broad information about the arterial circulatory system, from pathophysiologically earliest vascular changes to manifest end-organ damage. It can stratify patients at high risk for cardiovascular events who may benefit from intensified cardiovascular therapy. The determination of arterial stiffness should therefore be an integral part of basic cardiovascular diagnostics.” Baulmann, et. al (2013). Die Renaissance von Pulswellengeschwindigkeit, Augmentation und zentralem Aortendruck als Determinanten des kardiovaskulären Risikos. (The renaissance of pulse wave velocity, augmentation and central aortic pressure as determinants of cardiovascular risk.) Schattauer Verlag: Stuttgart.

With spot measurement, all important information is on one screen. The information is divided into three areas:

a View of pulse wave:

In this area there is a choice between the view of the current pulse wave “Current” and the view of all pulse waves “All” of the selected patient.

b View of measurement values:

Here you can see a table with all measured values of the currently selected spot measurement.

Abbreviations in the table of measurement values:

- Ps:** Brachial systolic blood pressure
- Pd:** Brachial diastolic blood pressure

zPs: Central syst. blood pressure

zPd: Central dias. blood pressure

Limit: Limits can be changed in the settings of the ABPM module.

PWV: Pulse wave velocity. The PWV positively correlates with arterial stiffness and increases with age. In humans, age-dependent values of 5-12 m/s are thus found in the aorta. In younger patients, the PWV in the abdominal aorta is 5-6 m/s.

HR: Heart rate

AIx: Augmentation index. The determination of the augmentation index serves as a parameter for the examination of the arterial vascular function.

AugP: Augmentation pressure. Ratio of pressure of ejection wave to reflection wave (in mmHg).

c View of all spot measurements:

If several measurements are available for the patient, the desired measurement can be displayed by clicking on the date.

- A report can be generated for each measurement via the context menu. To do this, press the right mouse button and create the report.
- It is also possible to delete a measurement. Select the date and then click on the “Delete” button.

