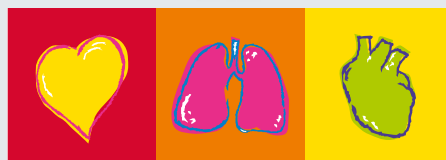




BR-102 plus PWA

SCHILLER's Pulse Wave Analysis (PWA):
circadian central haemodynamics and
blood pressure measurement in one



SCHILLER
The Art of Diagnostics

BR-102 plus PWA

Blood pressure all-rounder

SCHILLER introduces the first solution that combines the non-invasive, cuff-based precise auscultatoric and the reliable oscillometric measurement to generate a 24-hour profile of stiffness parameters like pulse wave velocity and central and peripheral blood pressure.

Based on individual arterial behaviour, it is now possible to evaluate the risk of developing a cardiovascular disease.

Proven quality

This algorithm has been fully validated in several studies, even comparisons with the gold standard: invasive catheter BP measurement.

"... algorithm, using brachial cuff-based waveform recordings, is suited to provide a realistic estimation of central systolic pressure."¹

"The results agree with common accepted tonometric measurements. Its application is easy and for widespread use."²

¹ Validation of a Brachial Cuff-Based Method for Estimating Central Systolic Blood Pressure, T. Weber et al / Hypertension / 2011.

² A new oscillometric method for pulse wave analysis: comparison with a common tonometric method, S. Wassertheurer et al / Journal of Human Hypertension / 2010.



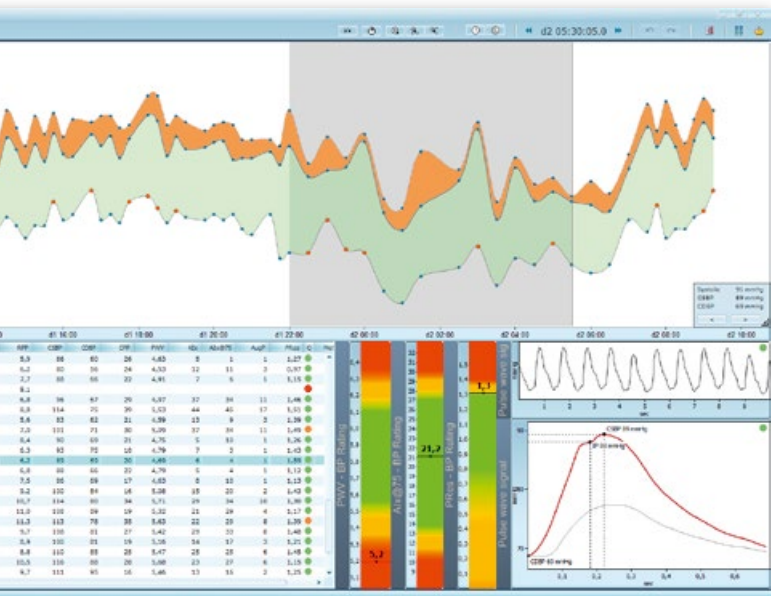
WHY SCHILLER PWA

Medical point of view

- Significantly improve CV risk assessment
- Close correlation between stiffness parameters and coronary heart disease
- Prevent end organ damage due to hypertension
- More effective and more specific therapy – some hypotensive drugs may also increase arterial stiffness
- Differential diagnosis (peripheral resistance increased, stiff arteries or increased cardiac preload)

Economic point of view

- Increase in diagnostic precision
- No additional effort – part of a standard ABPM measurement
- Emerging scientific publication possibilities
- No specially trained operator needed
- Reimbursement in several countries available, more and more countries joining



Since guidelines recommend using PWA for risk stratification but provide no critical value, SCHILLER has a proactive solution: the patients' readings of PWV, Alx and pRes are matched with other patients based on population studies¹. This gives an idea of how the values perform compared to other people.

¹ PWV: Determinants of pulse wave velocity in healthy people and in the presence of cardiovascular risk factors: 'establishing normal and reference values'
 Author: The Reference Values for Arterial Stiffness Collaboration
 published in: European Heart Journal 2010

Alx: Assessment of central haemodynamics from a brachial cuff in a community setting Nunan et al. BMC Cardiovascular Disorders 2012

Both the ESH (European Society of Hypertension) and the ESC (European Society of Cardiology) are convinced of the huge potential of PWA and have recommended its use in their guidelines since 2007.

BR-102 plus PWA

Only SCHILLER ...

- keeps the cuff pressure as low as possible for increased patient comfort. PWA is performed on diastolic level.
- provides a 48-hour profile and not just spot measurements (tonometric method).
- includes the auscultatoric measurement which is much more reliable.
- has comprehensive validation studies.
- offers a blood pressure measurement device fully integrated in the wide range of SCHILLER diagnostic products, with seamless connectivity to SEMA data management systems and to HIS.
- has a user-friendly interface with colour display.

How it works

The analysis is based on the combination of auscultatoric/oscillometric blood pressure measurement and pulse contour analysis, and provides information about arterial behaviour as well as pulse wave velocity. The stiffer the arteries, the quicker the pulse wave, which increases the risk for cardiovascular disease. The age of the small blood vessels is determined using the augmentation index, an indicator of alterations.



Create clear reports quickly and easily using the DARWIN2 modular reporting system. The level of detail and appearance of reports can be customised as required.



Asia
SCHILLER Asia-Pacific / Malaysia
52200 Kuala Lumpur, Malaysia
Phone +603 6272 3033
Fax +603 6272 2030
sales@schiller.com.my
www.schiller-asia.com



Austria
SCHILLER Handelsgesellschaft m.b.H.
A-4040 Linz
Phone +43 732 709 90
Fax +43 732 757 000
sales@schiller.at
www.schiller.at



China
Alfred Schiller Medical Equipment Co. Ltd.
100015 Beijing, China
Phone +86-10-84565453
info@schillermedical.com
www.schillermedical.cn



France
SCHILLER Médical S.A.S.
F-67162 Wissembourg/Cedex
Phone +33 3 88 63 36 00
Fax +33 3 88 94 12 82
info@schiller.fr
www.schiller-medical.com



France (distribution France)
SCHILLER France S.A.S.
F-77600 Bussy St Georges
Phone +33 1 64 66 50 00
Fax +33 1 64 66 50 10
infoschiller@schiller-france.fr
www.schiller-france.com



Germany
SCHILLER Medizintechnik GmbH
D-85622 Feldkirchen b. München
Phone +49 89 62 99 81-0
Fax +49 89 609 50 90
info@schillermed.de
www.schillermed.de



Hungary
SCHILLER Diamed Ltd.
H-1141 Budapest
Phone +36 (1) 383-4780 / 460-9491
Fax +36 (1) 383-4778
sales@schiller.at
www.schiller-hungary.hu



India
SCHILLER Healthcare India Pvt. Ltd.
Mumbai - 400 001, India
Phone +91 22 6152 3333/ 2920 9141
Fax +91 22 2920 9142
sales@schillerindia.com
www.schillerindia.com



Croatia
Schiller medicinski instrumenti d.o.o.
10000 Zagreb
Phone +385 1 309 66 59
Fax +385 1 309 66 60
info@schillerzg.hr
www.schiller.ch



Latin America
SCHILLER Latin America, Inc.
Doral, Florida 33172
Phone +1 954 673 0358
Fax +1 786 845 06 02
sales@schillerla.ch
www.schillerla.ch



Poland
SCHILLER Poland Sp. z o.o.
PL-02-729 Warszawa
Phone +48 22 8432089
Fax +48 22 8432089
schiller@schiller.pl
www.schiller.pl



Russia & C.I.S.
SCHILLER AG Rep. office
125124 Moscow, Russia
Phone +7 (495) 970 11 33
Fax +7 (495) 970 11 33
mail@schiller-ag.com
www.schiller-cis.com



Serbia
SCHILLER d.o.o.
11010 Beograd
Phone +381 11 39 79 508
Fax +381 11 39 79 518
info@schiller.rs
www.schiller.rs



Slovenia
SCHILLER d.o.o.
2310 Slovenska Bistrica
Phone +386 2 843 00 56
Fax +386 2 843 00 57
info@schiller.si
www.schiller.si



Spain
SCHILLER ESPAÑA, S.A.
E-28230-Las Rozas/Madrid
Phone +34 91 713 01 76
Fax +34 91 355 79 33
schiller@schiller.es
www.schiller.es



Switzerland
SCHILLER-Reomed AG
CH-8953 Dietikon
Phone +41 44 744 30 00
Fax +41 44 740 37 10
sales@schiller-reomed.ch
www.schiller-reomed.ch



Turkey
SCHILLER TÜRKIYE
Okmeydani-Sisli - Istanbul
Phone +90 212 210 8681 (pbx)
Fax +90 212 210 8684
sales@schiller-turkiye.com
www.schiller-turkiye.com



USA
SCHILLER America Inc.
Doral, Florida 33172
Phone +1 786 845 0620
Fax +1 786 845 06 02
sales@schilleramerica.com
www.schilleramerica.com

