

EASY PULSE

Clinical Evidence – Study Background Information

“Head-up position significantly improves CPR”

According to a recent study a tilt angle during cardiopulmonary resuscitation improves brain flow and is more effective.^{1,2}

During CPR, there is diminished venous drainage due to the body being level. Venous drainage occurs passively, so it is improved by raising the head above the heart. CPR with head-up positioning provides a new way to augment cerebral perfusion without impairing perfusion of the heart.

SCHILLER EASY PULSE meets this challenge: SCHILLER EASY PULSE is the only device that can perform CPR in any position. The device is strapped to the body and on a backboard, which allows following the body’s movement even in extreme conditions, for example during air rescue or with a patient trapped in a car seat after an accident.



1 Resuscitation 87 (2015) 38-43

Tilting for perfusion: Head-up position during cardiopulmonary resuscitation improves brain flow in a porcine model of cardiac arrest
Guillaume Debaty^{a,b}, Sang Do Shin^c, Anja Metzger^e, Taeyun Kim^c, Hyun Ho Ryu^d, Jennifer Rees^a, Scott McKnite^e, Timothy Matsuura^f, Michael Lick^e, Demetris Yannopoulos^a, Keith Lurie^e

^a Department of Medicine-Cardiovascular Division, University of Minnesota, Minneapolis MN, USA

^b UJF-Grenoble 1/CNRS/CHU de Grenoble/TIMC-IMAG,UMR 5525, Grenoble, France

^c Department of Emergency Medicine, Seoul National Hospital, Seoul, Republic of Korea

^d Department of Emergency Medicine, Chonnam National University Hospital, Republic of Korea

^e Department of Emergency Medicine, Hennepin County Medical Center, University of Minnesota, Minneapolis, MN, USA

^f Department of Integrated Biology & Physiology, Medical School, University of Minnesota, Minneapolis, MN, USA

2 JEMS Journal of Emergency Medical Services

Tilt Angle Significantly Affects CPR

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Debaty G, Shin SD, Metzger A, et al. Tilting for perfusion: Head-up position during cardiopulmonary resuscitation improves brain flow in a porcine model of cardiac arrest. Resuscitation. 2015;87:38-34.



Americas
SCHILLER Americas Inc.
Doral, Florida 33172

North America:
Phone +1 786 845 06 20
Fax +1 786 845 06 02
sales@schilleramerica.com
www.schilleramerica.com

Latin America & Caribbean
Phone +1 305 591 11 21
Fax +1 786 845 06 02
sales@schillerla.ch
www.schillerla.ch



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 70 99
Fax +43 732 757 000
sales@schiller.at
www.schiller.at



China
Alfred Schiller (Beijing) Medical Equipment
Co., Ltd.
100015 Beijing, China
Phone +86 010 52007020
Fax +86 010 52007020-8016
info@schillerchina.com
www.schillermedical.cn



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



France
SCHILLER Médical S.A.S.
F-67162 Wissembourg
Phone +33 3 88 63 36 00
Fax +33 3 88 63 36 49
info@schiller.fr
www.schiller-medical.com



France (distribution France)
SCHILLER France S.A.S.
F-77608 Bussy St Georges
Phone +33 1 64 66 50 00
Fax +33 1 64 66 50 10
contact@schillerfrance.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 / +36 1 460 9491
Fax +36 1 383 4778
info@schillerhungary.hu
www.schillerhungary.hu



India
SCHILLER Healthcare India Pvt. Ltd.
Mumbai - 400 059, India
Phone +91 22 6152 3333 / 2920 9141
Fax +91 22 2920 9142
sales@schillerindia.com
www.schillerindia.com



Poland
SCHILLER Poland Sp. z o.o.
PL-02-729 Warszawa
Phone +48 22 843 20 89 / +48 22 647 35 90
Fax +48 22 843 20 89
schiller@schiller.pl
www.schiller.pl



Russia & C.I.S.
AO SCHILLER.RU
125124 Moscow, Russia
Phone +7 (495) 970 11 33
Fax +7 (495) 956 29 10
mail@schiller.ru
www.schiller.ru
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.
ES-28232 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 TÜRKİYE
Okmeydanı-Sisli - Istanbul
Phone +90 212 210 8681 (pbx)
Fax +90 212 210 8684
info@schiller.com.tr
www.schiller-turkiye.com



United Kingdom
SCHILLER UK
Bellshill, ML4 3PR
Phone +44 1698 744 505
Fax +44 1698 744 474
sales@schilleruk.com
www.schilleruk.com



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