Acute lung injury in children: from viral infection and mechanical ventilation to inflammation and apoptosis

Bern, R.A.

Citation for published version (APA):

General rights
It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

Disclaimer/Complaints regulations
If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: http://uba.uva.nl/en/contact, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.
ACUTE LUNG INJURY IN CHILDREN:
from viral infection and mechanical ventilation
to inflammation and apoptosis
COLOFON

Thesis, University of Amsterdam, The Netherlands
Acute lung injury in children: from viral infection and mechanical ventilation to inflammation and apoptosis

Copyright © Reinout A. Bem, 2009
All rights are reserved. No part of this thesis may be reproduced or transmitted in any form or by any means without permission of the author or the publishers of the included scientific papers.

Cover illustration by Reinout A. Bem: a commonly used metaphor for ‘apoptosis’ (derived from ancient Greek apó meaning away or from, and ptosis meaning falling down) is the seasonal event of leaves falling down from trees.
Lay-out by Chris Bor, Amsterdam.
Printed by GVO drukkers en vormgevers BV, Ede.

Work in this thesis was supported in part by the Jan Dekker Stichting and dr. Ludgardine Bouwman fonds, VSB fonds, Ars Donandi, Dr. Hendrik Muller’s Vaderlandsch fonds, U.S. National Heart, Lung, and Blood Institute, Medical Research Service U.S. Department of Veteran Affairs and the American Lung Association. Presentations of work in this thesis at international conferences was supported by the Van Walree Fonds, AUV Fonds and Genootschap ter Bevordering Natuur-, Genees- en Heelkunde.

The printing of this thesis was supported by the University of Amsterdam, J.E. Jurriaanse Stichting, Abbott BV, Astra Zeneca BV, Arrow Nederland BV, Teva Pharma Nederland, Olympus Nederland BV, Boeringher Ingelheim BV, Pfizer BV, Stichting Astma Bestrijding, Astma Fonds, Nycomed BV, Sanquin Reagents, Philips Nederland BV. Hamilton Medical.
ACUTE LUNG INJURY IN CHILDREN: from viral infection and mechanical ventilation to inflammation and apoptosis

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad van doctor
aan de Universiteit van Amsterdam
op gezag van de Rector Magnificus
prof. dr. D.C. van den Boom
ten overstaan van een door het college voor promoties
ingestelde comissie,
in het openbaar te verdedigen in de Agnietenkapel
op vrijdag 19 februari 2010, te 10.00 uur

door

Reinout Alexander Bem

geboren te Leiderdorp
PROMOTIECOMMISSIE

Promotor: Prof. dr. H.S.A. Heymans

Co-promotores: Dr. A.P. Bos
Dr. J.B.M. van Woensel

Overige leden: Prof. dr. M.J. Schultz
Prof. dr. A.J. van Vught
Prof. dr. W.M.C van Aalderen
Prof. dr. T.W. Kuijpers
Prof. dr. P.J. Sterk

Faculteit der Geneeskunde