Ankylosing Spondylitis Joachim Sieper Jürgen Braun



Clinician's Manual on Ankylosing Spondylitis

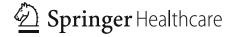
Clinician's Manual on Ankylosing Spondylitis

Joachim Sieper

Charité University Hospital Campus Benjamin Franklin Berlin, Germany

Jürgen Braun

Rheumatology Center Ruhrgebiet St Josefs Hospital Herne, Germany



Published by Springer Healthcare, 236 Gray's Inn Road, London, WC1X 8HL, UK

www.currentmedicinegroup.com

©2011 Springer Healthcare, a part of Springer Science+Business Media

Reprinted 2011

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means electronic, mechanical, photocopying, recording or otherwise without prior written permission of the publishers.

ISBN 978-1-85873-436-1

British Library Cataloguing-in-Publication Data.

A catalogue record for this book is available from the British Library.

Although every effort has been made to ensure that drug doses and other information are presented accurately in this publication, the ultimate responsibility rests with the prescribing physician. Neither the publishers nor the author can be held responsible for errors or for any consequences arising from the use of information contained herein. Any product mentioned in this publication should be used in accordance with the prescribing information prepared by the manufacturers. No claims or endorsements are made for any drug or compound at present under clinical investigation.

Project manager: Lisa Langley

Designer: Joe Harvey and Taymoor Fouladi

Production: Marina Maher

Contents

	Author biographies	vii
	Acknowledgements	ix
	Abbreviations	хi
1	Introduction	1
	A historical perspective	1
2	Overview of ankylosing spondylitis	5
	The concept/classification of spondyloarthritis	5
	Epidemiology of ankylosing spondylitis	6
	Aetiopathogenesis of ankylosing spondylitis	9
	Genetics of ankylosing spondylitis	11
3	Clinical manifestations of ankylosing spondylitis	13
	Inflammatory back pain	13
	Restriction of spinal mobility	14
	Extraspinal rheumatic manifestations	19
	Enthesitis in peripheral joints	20
	Extraarticular locations	22
	Juvenile-onset spondyloarthritis	23
4	Diagnosis of ankylosing spondylitis	25
	The modified New York criteria	25
	Delay between onset of symptoms and diagnosis	27
	Screening for axial SpA among patients with chronic back pain	35
	The value of HLA-B27 for screening and diagnosis of axial SpA	36
5	Imaging in ankylosing spondylitis	39
	Radiographs	39
	Magnetic resonance imaging	43
	Other imaging techniques	47
6	Management of ankylosing spondylitis	49
	Non-drug treatment	51
	Drug treatment	51
	Which nationts should be treated with TNE blockers?	65

	Prognostic parameters in ankylosing spondylitis	68
	The use of TNF blockers in early non-radiographic axial SpA	69
	Other treatment options	70
	Which instruments should be used for clinical record keeping?	70
7	Socioeconomic aspects of ankylosing spondylitis	73
	References	75

Author biographies



Joachim Sieper Charité University Hospital Berlin, Germany

Joachim Sieper, MD, is a Consultant and Head of Rheumatology at the Charité University Hospital, Campus Benjamin Franklin in Berlin, Germany. After receiving his medical degree in 1978 from Free University, in Berlin, Germany, he underwent his training in internal medicine in the Department of Cardiology at the Rudolf–Virchow clinic in Berlin, Germany. He continued his training in internal medicine and rheumatology at the University Hospital Benjamin Franklin, in Berlin, Germany. During this time he had a number of fellowships abroad including 8 weeks at The London Lupus Clinic, Hammersmith Hospital, in London, UK, led by Professor Graham Hughes. He also spent over a year at the Rheumatology Unit of Guy's Hospital, in London, UK, led by Professor G Panayi. In 1998 he became Professor of Medicine at Free University and that same year he was also appointed Deputy Head of the Department of Internal Medicine at the same institution. In 2000 he became Head of Rheumatology at Free University.

Professor Sieper is also a prolific researcher and writer. He has been an investigator since 1989, and a principal investigator since 1993 on several placebo-controlled randomised trials, which have been published internationally. He has authored and contributed to over 300 journal papers.

He is a member of numerous societies including the German Society of Rheumatology and the American College of Rheumatology.

He has also been the recipient of many awards and honours for excellence in rheumatology, including the Carol–Nachman award for rheumatology in 2000 and the European League Against Rheumatism (EULAR) award in 2003.



Jürgen Braun Rheumatology Center Ruhrgebiet Herne, Germany

Jürgen Braun, MD, is Medical Director of the Rheumatology Medical Centre, Ruhrgebiet in Herne, Germany, and is a lecturer at the Ruhr University in Bochum, Germany. He is also an honorary Professor in Rheumatology at the Charité Medical School in Berlin, Germany.

He received his doctor of medicine degree in 1987 at the Free University, Berlin, Germany, and went on to become certified as a specialist in rheumatology, internal medicine, laboratory medicine, physical therapy and sports medicine. In 2000, he became Professor of Rheumatology at the Free University, Berlin. The following year he became Medical Director of the Rheumatology Medical Centre, Ruhrgebiet in Herne, one of the major hospitals in Germany specialised in the management of patients with rheumatic diseases, a position he still holds.

Professor Braun has been an invited speaker at a number of universities and institutions including the National Institutes of Health, the American College of Rheumatology, the European League Against Rheumatism (EULAR), and the Asia Pacific League of Associations for Rheumatology. He has also been invited to speak about his research at the national meetings of the British, Irish, Indian, Scandinavian, Danish, Dutch, Belgian, Italian, Spanish, Greek, Turkish, Moroccan, Russian, Chinese, and German Society of Rheumatology. In 2004, he was appointed as the inaugural Robert Inman lecturer at the University of Toronto, Canada.

Professor Braun has been the recipient of several prestigious awards, including the Ankylosing Spondylitis Patients Association Award in 1996, the Tosse-Research Award in Pediatric Rheumatology in 1998, the Carol Nachman Research Award in 2000, and the EULAR prize in 2003.

As one of the leading specialists in the field of the spondyloarthritides, Professor Braun has published more than 300 papers on different aspects of this subject. He is a member of the Steering Committee of the Assessments in Ankylosing Spondylitis Working group and the Group for Research and Assessment of Psoriasis and Psoriatic Arthritis.

Acknowledgements

Our thanks go to our colleagues in the Assessment in SpondyloArthritis international Society (ASAS) for their permission to reproduce Figures 3.8, 4.3, 4.4, 4.5, 6.8 and 6.18 in this manual.