

BRITISH MEDICAL BULLETIN

British Medical Bulletin is published four times each year, in January, April, July and October.

Subscriptions and single-copy orders should be sent to: Longman Group UK Ltd, PO Box 77, Harlow, Essex CM19 5BQ.
Tel: 0279 623760

Subscription rates for 1994 are: £126 (UK, £6 postage), £126 (Europe, £8 postage), \$207 (USA, \$15 postage) or £126 (RoW, £11 postage)
Single copies will be available at £49.95 (UK)

NEXT ISSUE

Volume 50 No. 3

GENETICS OF
MALIGNANT DISEASE

July 1994

Scientific Editor: B Ponder

Cancer genetics
Inherited component of cancer
Techniques for analysis and function of cancer genes
Viruses in cancer
p53 and human cancers
Genetics of paediatric tumours
Familial cancer syndromes and clusters
Colorectal cancers
Breast and ovarian cancer
Melanoma
Lung cancers & precipitating factors
Urogenital cancers
DNA repair and cancer
Metabolic polymorphism & cancer
Management of families with inherited predisposition to cancer

*W Bodmer
D Easton
M Steel
K Vousden & P Farrell
D Lane
J Cowell
J Birch
M Dunlop & C Cunningham
S Narod
J Newton
P Rabbitts
E Maher
M Taylor
D Forman & R Wolf
B Ponder*

BRITISH MEDICAL BULLETIN

VOLUME FIFTY
1994

CHURCHILL LIVINGSTONE
EDINBURGH, LONDON, MADRID, MELBOURNE,
NEW YORK AND TOKYO

CHURCHILL LIVINGSTONE
Medical Division of Longman Group Limited

Distributed in the United States of America by Churchill Livingstone Inc., 650 Avenue of the Americas, New York, NY10011, and by associated companies, branches and representatives throughout the world.

© The British Council 1994

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 the prior written permission of the copyright owner, or a licence permitting restricted copying in the United Kingdom issued by the Copyright Licensing Agency Ltd, 90 Tottenham Court Road, London W1P 9HE.

(Copyright in all materials published in *British Medical Bulletin* prior to 1981 rests with the individual contributors and not with the British Council.)

ISSN 0007-1420
ISBN 0-443-05152-6

Published by Longman Group Ltd.
Printed in Great Britain by Bell and Bain Ltd., Glasgow

This journal is indexed, abstracted and/or published online in the following media: Adonis, Biosis, BRS Colleague (full text), Chemical Abstracts, Colleague (Online), Current Awareness in Biological Science, Current Contents/Clinical Medicine, Current Contents/Life Science, Excerpta Medica/Embase, Index Medicus/Medline, Medical Documentation Service, Reference Update, Research Alert, Science Citation Index, Scisearch, SIIC-Database Argentina, UMI (Microfilms), USSR Academy of Sciences

Notes to users in the USA: Authorisation to photocopy items for internal or personal use is granted by Longman Group UK Ltd provided that the appropriate fees are paid directly to Copyright Clearance Center, 27 Congress Street, Salem, MA 01970, USA. For more information, please contact CCC. For territories outside North America, permission should be sought direct from the copyright holder. This consent does not extend to other kinds of copying, such as copying for general distribution, for advertising and promotional purposes, for creating new collective works, or for resale.

British Medical Bulletin is published quarterly in January, April, July and October by Churchill Livingstone c/o Mercury Airfreight International Ltd Inc, 2323 Randolph Avenue, Avenel, New Jersey 07001. Subscription price is \$222.00 per annum. Second Class Postage pending at Rahway NJ. Postmaster: Send address corrections to British Medical Bulletin c/o Mercury Airfreight International Ltd Inc, 2323 Randolph Avenue, Avenel, New Jersey 07001.

Hypertension in Theory and Practice

Scientific Editors: *J Reid & J D Swales*

Growth areas in hypertension <i>J D Swales</i>	235
Environmental factors in the development of essential hypertension <i>I J Perry, P H Whincup & A G Shaper</i>	246
Molecular genetics of susceptibility to the development of hypertension <i>N J Samani</i>	260
Blood pressure, antihypertensive drug treatment and the risks of stroke and of coronary heart disease <i>R Collins & S MacMahon</i>	272
Hypertension and the heart <i>G Y H Lip, M D Gammage & D G Beevers</i>	299
Hypertension and the kidney <i>A E G Raine</i>	322
New mechanisms for corticosteroid-induced hypertension <i>B R Walker & C R W Edwards</i>	342
Hypertension and blood vessels <i>A D Hughes & M Schachter</i>	356
Hypertension and the brain <i>J L Reid</i>	371
Pre-eclampsia—the 'disease of theories' <i>F Broughton Pipkin & P C Rubin</i>	381
Diabetes and hypertension <i>A H Barnett</i>	397
Hypertension and the elderly <i>J F Potter</i>	408
The measurement of blood pressure in the technological age <i>M J Stewart & P L Padfield</i>	420
Hypertension: investigation, assessment and diagnosis <i>G T McInnes & P F Semple</i>	443
Management targets and thresholds for treatment <i>P S Sever</i>	460
Drug treatment: present and future <i>D Lyons, J C Petrie & J L Reid</i>	471
Non-pharmacological therapy of hypertension <i>L E Ramsay, W W Yeo, I G Chadwick & P R Jackson</i>	493
Index	508

1994 Vol. 50 No. 2

Professor J D Swales chaired the committee which included Dr R Collins, Professor J Reid, Professor P Sever, Dr P Padfield and Dr G Beevers which planned this number of the British Medical Bulletin. We are grateful to them for their help and particularly to Professor Reid and Professor Swales for their work as Scientific Editors.

British Medical Bulletin is published by Churchill Livingstone for
The British Council, 10 Spring Gardens, London SW1A 2BN