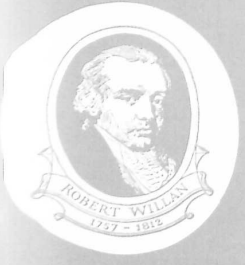
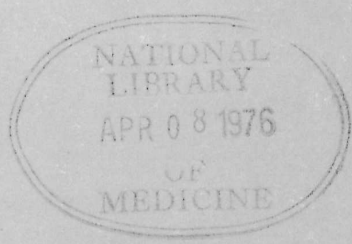


WJ
BR 526

Volume 94, Number 2, February 1976



British Journal of Dermatology



Published for the
British Association of Dermatologists
by Blackwell Scientific Publications
Oxford London Edinburgh Melbourne

ISSN 0007 0963

British Journal of Dermatology, Volume 94, Number 2, February 1976

CONTENTS

| Clinical and Laboratory Investigations | PAGE |
|--|-------------|
| Langerhans Cells in the Epidermis of Athymic Mice J. A. A. HUNTER, D. J. FAIRLEY, G. C. PRIESTLEY AND H. A. CUBIE | 119 |
| Necrotizing Vasculitis: a Circulating Immune Complex Producing Inflammatory Skin Lesions J. VERRIER JONES, R. H. CUMMING, C. M. ASPLIN, R. R. M. HARMAN AND C. R. TRIBE | 123 |
| A Comparison of Histocompatibility Antigens in Dermatitis Herpetiformis and Adult Coeliac Disease P. P. SEAH, LIONEL FRY, J. W. KEARNEY, ELIZABETH CAMPBELL, J. F. MOWBRAY, J. S. STEWART AND A. V. HOFFBRAND | 131 |
| Histocompatibility Antigens and Dermatitis Herpetiformis with Special Reference to Jejunal Abnormalities and Acetylator Phenotype T. REUNALA, O. P. SALO, A. TILIKAINEN AND M. J. MATTILA | 139 |
| The Action of a Urea-Lactic Acid Ointment in Ichthyosis: with Particular Reference to the Thickness of the Horny Layer CICELY BLAIR | 145 |
| Skin Lesions in Human Yersiniosis. A Histopathological and Immunohistological Study KIRSTI-MARIA NIEMI, MATTI HANNUKSELA AND OSMO P. SALO | 155 |
| Skin Surface Lipid Composition in Rosacea R. J. PYE, GAY MEYRICK AND J. L. BURTON | 161 |
| Sebaceous Lipogenesis in Human Skin. Variability with Age and with Severity of Acne MARY F. COOPER, HELEN MCGRATH AND SAM SHUSTER | 165 |
| Lymphocyte Abnormalities in Mycosis Fungoides RONA MACKIE, F. R. SLESS, REBECCA COCHRAN AND MARIA DE SOUSA | 173 |
| International Mortality from Bullous Diseases since 1950 J. A. SAVIN | 179 |
| Pharmacology and Treatment | |
| A New Model for Human Bioassay of Topical Corticosteroids B. S. N. REDDY AND GURMOHAN SINGH | 191 |
| The Inhibiting Effect of Soft Paraffin on the Köbner Response in Psoriasis J. S. COMAISH AND J. S. GREENER | 195 |
| Case Reports | |
| Cutaneous Alternariosis N. BANG PEDERSEN, P.-A. MÅRDH, T. HALLBERG AND N. JONSSON | 201 |
| Atypical Ichthyosiform Erythroderma, Deafness and Keratitis. A Report of Two Cases R. J. G. RYCROFT, E. J. MOYNAHAN AND R. S. WELLS | 211 |
| Brief Communications | |
| Acid Hydrolases in Psoriatic Epidermis P. D. MIER AND JOSÉ J. M. A. VAN DEN HURK | 219 |
| Mycosis Fungoides: Model for T-lymphocyte Homing to the Skin? M. GOOS, E. KAISERLING AND K. LENNERT | 221 |
| Review | |
| Tropical Dermatology. Cutaneous Leishmaniasis A. BRYCESON | 223 |
| Society Proceedings | |
| South West of England and Wales Dermatological Society | 227 |
| Book Reviews | 229 |
| News and Notices | 232 |

British Journal of Dermatology

EDITOR

DR R. H. CHAMPION

Addenbrooke's Hospital, Hills Road, Cambridge CB2 2QQ

EDITORIAL ADVISORY BOARD

- | | |
|--|---|
| PROF. B.E.D. COOKE, Cardiff <i>Oral Medicine</i> | PROF. I.A. MAGNUS, London <i>Photobiology</i> |
| DR C.N.D. CRUICKSHANK, Birmingham <i>Experimental pathology</i> | PROF. MARY MARPLES, Woodstock <i>Microbiology</i> |
| PROF. F.J. EBLING, Sheffield <i>Zoology</i> | DR W.E. PARISH, Sharnbrook <i>Experimental pathology</i> |
| DR J.C. GENTLES, Glasgow <i>Mycology</i> | DR A.C. STEVENSON, Oxford <i>Genetics</i> |
| MR J.W. HADGRAFT, Cambridge <i>Pharmacy</i> | PROF. J.L. TURK, London <i>Immunology</i> |
| PROF. HERMANN LEHMANN, Cambridge <i>Biochemistry</i> | MR G.S. WALTON, Liverpool <i>Comparative dermatology</i> |

ASSISTANT EDITORS

- | | |
|---------------------------|-------------------------------------|
| DR P.W.M. COPEMAN, London | DR J.N.S. MITCHELL, Royal Air Force |
| DR RONALD MARKS, Cardiff | DR W.C. NOBLE, London |
| DR P.D. MIER, Nijmegen | DR R.S. WELLS, London |

EDITOR OF SOCIETY PROCEEDINGS

DR J.N.S. MITCHELL,
40 Meadow Way, Letchworth, Herts.

British Journal of Dermatology is published monthly. Subscription price £21.00 U.K. (overseas £25.00; U.S.A. and Canada \$75.00) per annum, post free. Subscriptions should be addressed to Blackwell Scientific Publications Ltd, Osney Mead, Oxford OX2 0EL, England.

Printed in Great Britain at the Alden Press, Oxford

Dermatologica

Offizielles Organ der Schweizerischen Gesellschaft für Dermatologie und Venerologie
Official Organ of the Nederlandse Vereniging van Dermatologen
Official Organ of the Belgian Society for Dermatology and Syphiligraphy

Managing Editor: R. Schuppli (Basel) *Editors:* G. Achten (Bruxelles) J. Delacrétaz (Lausanne)
L.H. Jansen (Utrecht) A. Kint (Gent) C.M. Lapière (Liège) J.W. Mali (Nijmegen) M.K. Polano
(Leiden) U.W. Schnyder (Heidelberg)

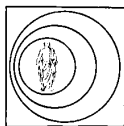
Index Vol. 150, No. 6, 1975

- Omar, A. and Krebs, A.* (Berne): Mode of Dermal-Epidermal Adhesion
- Ishikawa, H. and Horiuchi, R.* (Maebashi): Initial Change of Glycosaminoglycans in Systemic Scleroderma
- Fusaro, R.M. and Johnson, J.A.* (Omaha, Nebr.): Protection against Long Ultraviolet and/or Visible Light with Topical Dihydroxyacetone. Implications for the Mechanism of Action of the Sunscreen Combination, Dihydroxyacetone/Naphthoquinone
- Young, E. and Leun, J.C. van der* (Utrecht): Treatment of Psoriasis with Long-Wave Ultraviolet Light
- Mittal, Radha; Handa, F., and Sharma, S.C.* (Patiala): Incontinentia Pigmenti et Achromians
- Chorzelski, T.; Jablonska, Stefania; Maciejowska, Ewa, and Blaszczyk, Maria* (Warsaw): Visken as Supplementary Drug in the Treatment of Pemphigus
- Kalz, F.* (Montreal): Generalized Mastocytosis, Relapsing Herpes Zoster and Polyradiculoneuritis
- Bersaques, J. de* (Gent): Vitamin A Acid in the Topic Treatment of Plantar Warts

The Interesting Case · Der interessante Fall · Un cas intéressant

- Staak, W.J.B.M. van de; Cotton, D.W.K.; Jonckheer-Venneste, M.M.H., and Boerbooms, A.M.T.H.* (Nijmegen): Lichenoid Eruption Following Penicillamine. A Case Report with some Biochemical Observations

Varia
Subject Index
Author Index
Index Vol. 150



Subscription data: 'Dermatologica' appears monthly in numbers of approximately 64 pages each. 6 numbers form 1 volume and 2 volumes are issued annually. Subscription price per volume SFr. 110.- / US \$ 50.00

S. Karger · Basel · München · Paris · London · New York · Sydney

This material may be protected by Copyright law (Title 17 U.S. Code)

British Journal of Dermatology (1976) **94**, 195.

The inhibiting effect of soft paraffin on the Köbner response in psoriasis

J.S.COMAISH AND J.S.GREENER

Department of Dermatology, Royal Victoria Infirmary, Newcastle-upon-Tyne NE1 4LP

Accepted for publication 2 June 1975

SUMMARY

White soft paraffin has been shown to inhibit the development of the isomorphic response (Köbner phenomenon) in psoriasis. The possible reasons for this are discussed and it is suggested that this finding has implications which should lead to a greater understanding of the nature of psoriasis.

Despite intense efforts throughout the world the causation of psoriasis remains a baffling problem (Shuster, 1971). Two main facts seem fundamental—that genetic factors play an important role (Watson, Cann & Farber, 1972), and that certain trigger factors may provoke the psoriatic reaction in the individual so constituted. Trigger factors may be systemic, e.g. streptococcal infections (Whyte & Baughman, 1964) or local, such as physical injury. The latter is often called the Köbner or isomorphic response, and is clinically and histologically indistinguishable from spontaneous lesions, apart from its shape, which closely follows the area traumatized. Classically it follows 6–18 days after injury, which may be a scratch, sunburn, abrasion or operation wound. It has been shown that both epidermis and dermis must be damaged before the reaction occurs (Stankler, 1969). Since there is no animal model of psoriasis, the Köbner effect provides the only controllable method currently available for research into this common disorder. Consequently it has been extensively investigated with regard to the type, degree and depth of injury producing it, the time course between stimulus and response and the appearances at the clinical, histological and electron microscopical level. Many chemicals and drugs have been used in attempts to suppress the reaction, without success. It is obvious that if a method were available to prevent or suppress the reaction, it would be of the greatest possible significance, both theoretically and at the clinical level where it might well prove a source of practical techniques in the management of the spontaneous disease.

A positive response indicates active disease, and multiple simultaneous stimuli anywhere on the skin produce an equal number of responses (Pedace, Muller & Winkelmann, 1969). This observation is of great significance and accords well with observations suggesting that psoriasis is latent throughout the whole integument even when only localized plaques are visible clinically.

The following experiments were designed to test the hypothesis that a positive Köbner reaction is due to local overgrowth of bacterial organisms (especially streptococci) at the site of trauma. If this were so it would correlate well with the guttate psoriasis reactions seen after systemic streptococcal

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.