March 1997

The Journal of

Laryngology & Otology

Edited by Neil Weir

Assistant Editors Carol Wengraf, Richard Ramsden, David Proops, Valerie Lund, Henry Grant, Andrew Jones, Guy Kenyon, Michael Rothera, Martin Bailey, Liam Flood, Patrick Bradley, Nick Jones & Linn Sunn

Emeritus Advisor in Pathology Imrich Friedmann

Advisors in Pathology Brian Manners, Christopher Milroy & Lesley Smallman

Advisor in Audiology Linda Luxon

Advisors in Radiology Glyn Lloyd & Peter Phelps

Advisors in Statistics Anthony Hughes, Peter Kelly & Janine Gray

> Production Editors Gillian Goldfarb & Jennifer Almond





features:

HIV in otolaryngology

Audiological findings in glomus tumours

Revision stapes surgery

Cochlear implantation in otosclerosis

High Rate COMBI 40+

COCHLEAR IMPLANTS

high performance for:

TODAY

High-Rate Stimulation -Speed of stimulation can be varied up to 18,180pps

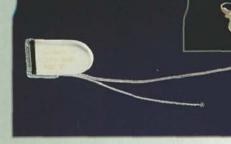
Choice of Processing Strategies -Continuous Interleaved Sampling (CIS) and /or High Rate Spectral Speak Extraction

Deep Electrode Insertion -30mm depth

TOMORROW

Accepts Future Processing Strategies powerful and flexible design

Compatible With A Behind The Ear (BTE) Processor currently under development



MED-EL UK Limited Bridge Mills • Huddersfield Road • Holmfirth • HD7 2TW • UK Tel: 014 84 / 68 62 23 • Fax; 014 84 / 68 60 56

MED-EL Deutschland GMBH Truhenseeweg 2 • D-82319 Starnberg • Germany Tel: +49-8151 / 77 030 • Fax: +49-8151 / 77 03 23 MED-EL Headquarters Fürstenweg 77a • A-6020 Innsbruck • Austria Tel: +43-512 / 28 88 89 • Fax: +43-512 / 29 33 81

MED-EL Corporation PO Box 14183 • Research Triangle Park• NC 27709 • USA Tel: +1-919 / 572 2222 • Fax: +1-919 / 484 9229 MED-EL Vienna Währinger Strasse 6-8 / 4 / 17 • A-1090 Wien • Austria Tel: +43-222 / 31 72 400 • Fax: +43-222 / 31 72 4004

Specding towards

natural sound

MED-EL Latin America Sarmiento 212 • Buenos Aires • Argentina Tel: +54-1 / 3452704(05) • Fax: +54-1 / 3340166

https://doi.org/10.1017/S0022215100136904 Published online by Cambridge University Press



The Journal of Laryngology and Otology

(Founded in 1887 by MORELL MACKENZIE and NORRIS WOLFENDEN)

Edited by NEIL WEIR

Assistant Editors CAROL WENGRAF, RICHARD RAMSDEN, DAVID PROOPS, VALERIE LUND, HENRY GRANT, ANDREW JONES, GUY KENYON,

MICHAEL ROTHERA, MARTIN BAILEY, LIAM FLOOD, PATRICK BRADLEY, NICK JONES & IAIN SWAN

Production Editors GILLIAN GOLDFARB & JENNIFER ALMOND

INSTRUCTIONS FOR AUTHORS

1. Original articles which have not been published elsewhere are invited and should be sent to the Editor. They are considered for publication on the understanding that they are contributed to this Journal solely. Reproduction elsewhere in whole or in part, is not permitted without the previous written consent of the Author and Editor and the customary acknowledgement must be made. Normally an original main article should not exceed 7500 words.

Longer articles or theses will be considered for publication as Supplements, at the expense of the authors or their employing authorities.

2. Manuscripts should be typewritten in duplicate on one side of the paper only (A4 297 3 210 mm) and double spaced, with wide margins

Begin each component on a new page in the following sequence: title page, abstract, text, acknowledgements, references, tables and legends

(a) Title page—Titles should be short with names of the authors, higher degrees only. Details of the departments in which the authors work should be put lower down. An address for correspondence should be supplied together with the author who should receive this; this will ultimately appear beneath the list of references. Any change of address should be notified. If the paper was presented at a meeting, the details of this must be given and will be inserted at the bottom of the first page of printed script

(b) Abstract—This should contain not more than 150 words and include a statement of the problem, the method of study, results and conclusions; a 'summary' section should not be included in the main manuscript. No paper will be accepted without an abstract. (c) Key Words—Only those appearing as Medical Subject Headings (MeSH) in the supplement to the Index Medicus may be used; where no appropriate word(s) are

listed those dictated by common sense/usage should be supplied.

(d) Text-Suggested outline-(1) introduction, (2) materials and methods, (3) results, (4) discussion, (5) conclusion.

(e) Tables are adjuncts to the text and should not repeat material already presented.

(f) Illustrations—Two sets of illustrations, one with each copy of the manuscript, must be submitted and all authors should remember that the single column width is 80mm. One set of illustrations should, therefore, not exceed this width and they should ensure that the essential features are illustrated within this dimension

Coloured illustrations will be charged to authors, unless a special grant is authorized by the Editor. Written permission from the publisher must be provided to the Journal in order to republish material with copyright elsewhere and also from the senior author where necessary. Consent to be obtained from a patient if a photograph of their face is to be reproduced.

(g) Measurements must be in metric units, with Système Internationale (SI) equivalents given in parentheses. (h) References—For *Journal* articles, The Harvard system of recording references should be used, e.g. Green, C. and Brown, D. (1951) The tonsil problem. *Journal of* Laryngology and Otology 65: 33-38. A paper written by more than two authors should be abbreviated in the text, e.g. Green et al. (1951), but all the authors should be given in the list of references. The titles of all Journals should be given without abbreviation. References should be listed in alphabetical order; use of the Vancouver system will not be accepted.

For single-author books, the following style should be used: Green, C. (1951) The tonsil problem, 2nd Edition, vol. 1. Headley Brothers Ltd., Ashford, Kent, pp. 33–38. For papers in multi-books with one or more editors, the reference should include the title of the chapter and the names of the editors, together with the number of the edition as e.g. Brown, D. (1951) Examination of the ear. In Diseases of the Ear, Nose and Throat. 2nd Edition. (White, A., Black, B., eds.), Headley Brothers Ltd., Ashford, Kent, pp 33-38.

It is most important that authors should verify personally the accuracy of every reference before submitting a paper for publication. The names of authors cited in the References should be given in alphabetical order.

(i) Drugs-The proper names of drugs must be used. One reference can be made to the brand name if it is felt to be important to the study.

(i) Financial disclosures—In the submission letter to the Editor, the authors must list all affiliations with or financial involvement in, organizations or entities with a direct financial interest in the subject matter or material of the research discussed in the manuscript.

(k) Declaration. Each manuscript must be accompanied by a letter of declaration to be signed by each author to confirm that they have seen, read and approve the contribution bearing their name.

(i) Rejections—All manuscripts which are rejected will no longer be returned to the authors. Those submitting papers should, therefore, ensure that they retain at least one copy and the reference numbers, if any, of the illustrations. The only exception to this will be those manuscripts with colour illustrations which will be returned automatically by Surface Mail.

(m) Facsimile (FAX)-All authors should send a Facsimile number whenever possible to speed communication; this particularly applies to those outside the United Kingdom, Manuscripts with no visual illustrations (X-rays/pathology) may be sent by facsimile.

3. Page proofs are sent to authors for corrections, which should be kept to a minimum; they must be clearly marked, and no extra matter added. Proofs should be returned within 5 days.

 4. Orders for reprints must be sent when returning page proofs, and for this purpose special forms are supplied.
 5. Editorial communications may be addressed to The Editor, Journal of Laryngology and Otology, c/o Headley Brothers Ltd., The Invicta Press, Ashford, Kent TN24 8HH, or sent by FAX (01483 451874).

6. The annual subscription is £110.00 Institutions & Libraries US\$250.00; £85.00 Individuals US\$195,50; £45.00 Registrars, Residents and Interns. (Those in training should submit a certificate from The Head of the Department giving details of their appointment; those who qualify must supply their home address for mailing direct). Claims to be made for missing issues within 6 months of each publication date.

7. Single copies of current or back numbers (when available) will be on sale at £12.00 each (including postage)

SUPPLEMENTS published at 'irregular' intervals with subscription, available separately on request.

9. All subscriptions, advertising and business communications should be sent to the publishers, or subscription agents.

Instructions for Occasional Articles

Review Articles. Articles of this type, preferably not exceeding 3,000 words will be considered but the author(s) are expected to be a recognized authority on the

topic and have carried out work of their own in the relevant field. Historical Articles. Articles of this type are generally encouraged, but it is obvious that they have to provide some new information or interpretation, whether it be about a well-known person or for example an instrument associated with him, but those from within a Hospital's own department who have made a hitherto less well-known contribution would be welcome.

Audit Articles. Articles should be of general audit interest-not specifically departmental. It should always be demonstrated that the 'audit cycle' has been completed 'Silence in Court'. Articles on medicolegal topics are welcome but a preliminary letter written beforehand is requested to ensure that the contribution would be

appropriate

Short Communications. This feature will be used on an occasional basis. Examples of material suitable for inclusion under this title would be, for example, a piece of work which was of clinical interest but had failed to produce findings which were of statistical significance; where an investigative technique has been applied to

Radiology in Focus. Short reports on cases in which the radiology has been crucial in the making of the diagnosis or the management of a particular case now appear on a monthly or bimonthly basis. This spot is to encourage clinicians and radiologists to produce material of particular interest in the specialty and to encourage co-operation in this field. Only presentations with first-class illustrations can be accepted and these must emphasize a problem of unusual clinical interest. Pathology in Focus. Articles which are of pathological interest with particular emphasis on the way the diagnosis was achieved now appear on a monthly or bimonthly basis. It is hoped that clinicians will involve their pathologists in these reports, and all illustrations must be of first-class quality. Where a department, particularly those overseas, may not have such specialized facilities. It may be possible, if a block or several unstained sections are provided for our Adviser to produce or supplement the illustration submitted. Only contributions of particular pathological interest will be accepted.

Oncology in Focus. This new feature is for papers concerned with oncological treatment and investigation. Letters to the Editor. This feature has been re-introduced to give those who wish to comment about a paper previously published within the Journal, an opportunity to express their views. Wherever possible, the original author is asked to add his further comment, thereby adding to the value of the contribution. Such letters should be sent as soon as possible after publication of each month's issue of the Journal in the hope of including them early thereafter.

'Mini-papers', such as those which appear in the British Medical Journal, Lancet, or New England Journal of Medicine, will not be acceptable except on the rare occasion that they bring information of immediate interest to the reader.

HEADLEY BROTHERS LTD, THE INVICTA PRESS, ASHFORD, KENT

© Journal of Laryngology and Otology Ltd., 1997 ISSN 0022-2151

Periodicals Postage Paid at Rahway N.J. Postmaster: Send address corrections to The Journal of Laryngology and Otology, c/o Mercury

Arrfreight International Ltd. Inc., 2323 Randolph Avenue, Avenel, N.J. 07001. Frequency of Publication: Monthly

The 5th Nottingham Endoscopic Sinus Surgery Course

19th - 20th June 1997

This is a two day course run by Professor E Weymuller, University of Washington and Mr N Jones

DAY ONE: DAY TWO: CADAVER ENDOSCOPIC DISSECTION LIVE SURGERY / LECTURES / VIDEO RECORDINGS £390.00

Course Fee: To Include:

Meals / Accommodation on 19th June

For further information please contact: Mr N S JONES Queen's Medical Centre, University of Nottingham Nottingham NG7 2UH Tel: 0115 924 9924 ext: 44848

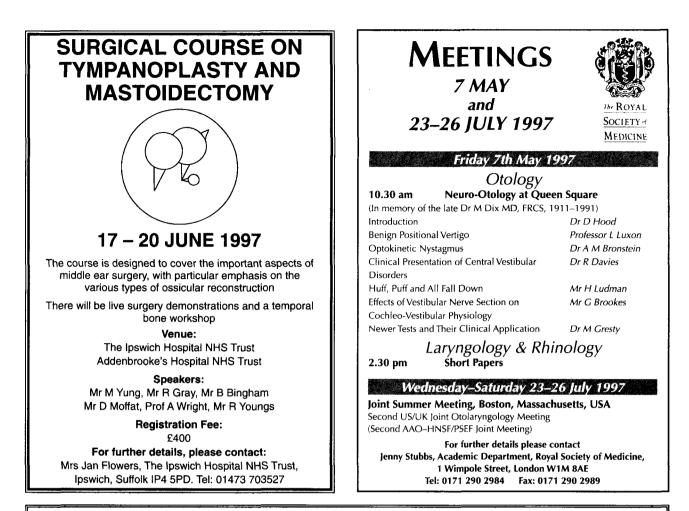
Instruments and equipment supplied by KARL STORZ ENDOSCOPY (UK) LTD



KARL STORZ ENDOSCOPY (UK) LTD.

SUITE G03, EXCHANGE TOWER, 1 HARBOUR EXCHANGE SQUARE, LONDON E14 9GB Tel: 0171-537 0137 / Fax: 0171-537 0237







The University of Adelaide and The Flinders University of South Australia **PROFESSOR OF OTOLARYNGOLOGY HEAD AND NECK SURGERY** (Ref: 4852JL)



TMPA0329

Department of Surgery

The roles of the Professor include providing leadership within the specialty in South Australia, leading of research activities in the Department, providing high level specialist services to the teaching hospitals of The University of Adelaide and Flinders University of South Australia, supervising the teaching programs and participating in the postgraduate training programs of the two Universities.

The current interests of the Department include sinus surgery, otology, head and neck surgery, voice disorders, laryngology and phonosurgery. Applications would be welcomed from surgeons with a distinguished record of research and clinical activity in any major branch of OLHN surgery.

The successful applicant will have the status of a Head of Unit at either The Queen Elizabeth Hospital or Royal Adelaide Hospital depending on the applicant's clinical and research interests.

The appointee must have medical qualifications which are registrable in South Australia and which will enable registration as a specialist surgeon.

Provision is made for up to 20% of the appointee's time to be available for private practice in accordance with the University's rules relating to the practice of a discipline.

The position is available immediately as a five year appointment, renewable.

Further information concerning the duties of the position, including selection criteria, may be obtained from Professor DB Frewin, Dean of the Faculty of Medicine, telephone (61-8) 8303 5193, or Professor GJ Maddern, Director, Division of Surgery, telephone (61-8) 8222 6756.

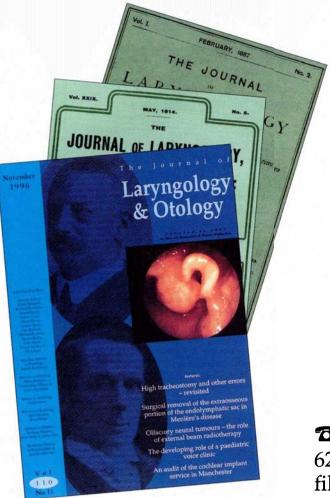
SALARY per annum: A\$81,780 plus a clinical loading of A\$14,156 per annum.

In addition, the South Australian Health Commission provides a salary supplement to bring the income of Professors undertaking approved specialised patient services, to an equivalent level to the full time hospital consultant salary scale. They will also be eligible for on call and recall payments.

APPLICATIONS, IN DUPLICATE, addressing the selection criteria and quoting the reference number should include residency status, names and addresses of three referees to the Director, Personnel Services Branch, University of Adelaide, Australia, 5005 by 13 May 1997.

THE UNIVERSITY OF ADELAIDE IS AN EQUAL OPPORTUNITY EMPLOYER

THE CHANGING WORLD OF ENT EVERY MONTH IN THE JLO



The Journal of Laryngology and Otology was the first British journal in the ENT field. Since 1887, it has remained the definitive information resource for surgeons, consultants and students. The Journal is run as a charity to promote education and knowledge in all spheres of Laryngology, Rhinology, Otology and related fields.

The JLO is very much an international journal with contributors from around the world and readers from over 80 countries.

The JLO contains main Articles, case reports and short communications from all over the world. Other contents include the quarterly book review, selected abstract service, and every ten years there is a comphrehensive index issue published. By subscribing to the JLO, you not only gain everyday access to this valuable source of information, but also assist in the promotion of excellence in the ENT domain.

To subscribe today call +44 1233 623131 with your credit card details – or fill out form below and return.

The Journal of Laryngology and Otology

□ 1997 - £85 (U.S.\$195.50) Otology □ 1997 - £110 (U.S.\$250) □ Mastercard □ Visa □ Access □ Eurocar Registrars / Residents / Interns (Please send letter from tutor or head of department to confirm training status) □ 1997 - £45 (U.S.\$100) Card Expiry Date Name:	Journal of Laryngology and Otolo Headley Brothers Ltd, The Invicta Pre	ss, Ashford, Kent TN24 8HH, UK
Institutional 1997 - £110 (U.S.\$250) Registrars / Residents / Interns (Please send letter from tutor or head of department to confirm training status) 1997 - £45 (U.S.\$100) Card Expiry Date Name: Date Postcode: Please allow up to 30 days for your order to be processed. MONEY BACK GUARANTEI The Journal of Laryngology and Otology will send you a fur refund on the unexpired part of your subscription should you	Please enter my subscription for Individual	 Bill me I enclose my cheque for £
□ 1997 – £45 (U.S.\$100) Card Expiry Date Name: Signature Date Please allow up to 30 days for your order to be processed. Address: MONEY BACK GUARANTE! Postcode: The Journal of Laryngology and Otology will send you a fur refund on the unexpired part of your subscription should you	$\begin{array}{c} \hline 1997 - \pounds 110 \text{ (U.S.\$250)} \\ \hline Posicitars / Posiciants / Internet (Please send letter from tutor or head of department to (Please se$	Mastercard Visa Access Eurocard Account
Name:	commit and the second	Card Expiry Date Date Date Date
drawn on a London bank or U.S. dollars drawn on a U.S. bank.	Address: Postcode: Payment to Journal of Laryngology and Otology by cheques in Sterling	processed. MONEY BACK GUARANTEE The Journal of Laryngology and Otology will send you a ful refund on the unexpired part of your subscription should you



REVISION COURSE IN OTOLARYNGOLOGY

DEPARTMENT OF OTOLARYNGOLOGY

Monday 15th September to Friday 19th September 1997

The course, which is intended for those preparing for post-graduate examinations, will cover all aspects of modern Otolaryngological theory and practice.

Lectures will be given by senior members of staff of the department.

Further particulars and application forms from:

Mrs A J Pryde, Unit Secretary Department of Otolaryngology, City Hospital Greenbank Drive, Edinburgh EH10 5SB Tel: 0131 536 6345 Fax: 0131 536 6167

Course Fee: £350.00

Course organiser: Mr D W Sim



THE 8TH OXFORD COURSE IN ENT RADIOLOGY

This two day course is designed to meet the needs of both radiologists and ENT surgeons facing the challenges of modern imagery, and surgical practice.

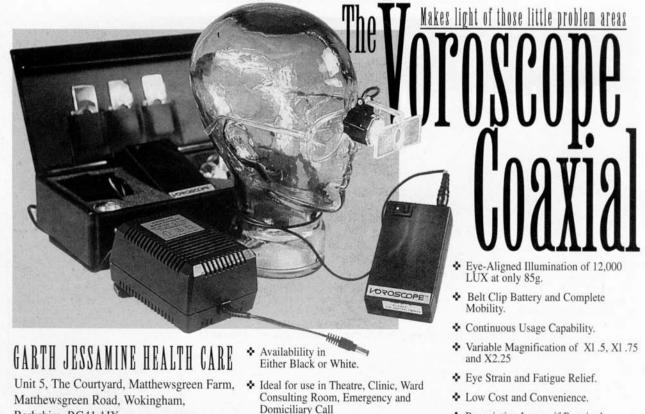
The course is divided into 4 half-day blocks covering most aspects of head and neck radiology. This year's course will have a special emphasis on oncology.

As before, this course is limited in numbers in order to encourage discussion between faculty, surgical and radiological delegates.

Date: 15/16 May 1997 Venue: Cotswold Lodge Hotel, Central Oxford. Cost: £375 Residential £325 non-residential

Special rates are available if a joint application is made for a surgeon and radiologist from the same hospital.

Information and registration forms available from Christine Westwood, Academic Secretary, telephone/fax 01865 224544



Prescription Lenses if Required.

Telephone: (01734) 786916 Fax: (01734) 774064

Berkshire, RG41 1JX



FOURTH NATIONAL HEAD AND NECK ONCOLOGY CONFERENCE

Multidisciplinary Approach to Rehabilitation NOTTINGHAM APRIL 16 – 18 1997

OUEEN'S MEDICAL CENTRE NOTTINGHAM

Incorporating the Inaugural meeting of the British Association of Head and Neck Cancer Nurses

Conference Theme – Clinical effectiveness and evidence based Practice in Surgery, Radiotherapy, Nursing, Speech, Swallow and Reconstruction. Sessions: The Patient's Focus, Functional Impacts, Voice and Speech, Reconstruction and Functional Outcomes.

Short paper sessions. Prizes for Best Short Papers in their section.

Multidisciplinary Faculty includes: Professor Fred McConnel - USA Mr Pat Bradley Dr Eva Carlson Ms Alex Clarke Mr Graeme Perks Mrs Sheila Fisher

14 CME Credits

Professor Pam Enderby - UK Dr Paul Carding Ms Tricia Feber Mr Meredvdd Harries Mr Ian McVicar Dr David Morgan

Social programme – Welcome Reception and Buffet, Conference Dinner, Exhibitor's Quiz.

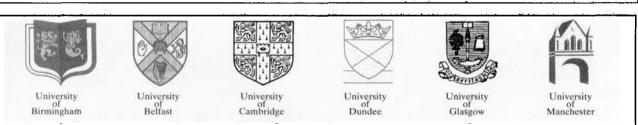
Fees:

Fully residential: £295.00, Non-residential: £260.00, Daily rates.

For registration apply to:

Conference Nottingham Limited, Regent House, Clinton Avenue, Nottingham NG1 1AZ

Tel: 0115 9856 545 Fax: 0115 9856 533



10th Combined British Universities Advanced Otology Course

To be held in Birmingham from

Sunday 21 September – Friday 26 September 1997

This highly successful course will be held again at the University of Birmingham Conference Centre,

Edgbaston Park Road, Birmingham.

Course Fees: COURSE FEE £785.00 ACCOMMODATION £350.00 _

DEPOSIT

£150.00

This course is aimed at Consultants, Accredited Specialists, and Senior Registrars (or those in the 4th - 6th year of the Unified Training Grade). It includes lectures and seminars at high level, video presentations of surgical techniques, together with ample time for discussion. A major feature of the course is the opportunity to carry out supervised advanced surgical techniques on temporal bones in a well equipped laboratory. It is recommended both for training and an opportunity for established consultants to consolidate their skills in a relaxed academic environment.

The Faculty: Mr D W Proops and Mr A L Pahor (Birmingham) - Course Organisers Mr D Adams (Belfast Mr M R Mills (Dundee) Mr G Brookes (London) Mr D Moffatt (Cambridge) Professor G G Browning (Glasgow) Professor R Ramsden (Manchester) Mr A Kerr (Belfast) Mr I R C Swan (Glasgow) Mr J Robinson (Gloucester) Mr J Toner (Belfast) C.M.E. Accreditation applied for - Anticipated number of credits 28 Enquiries and applications from: Miss S J Griffiths at the Postgraduate Education Centre, City Hospital NHS Trust, Dudley Road, Birmingham B18 7QH. Telephone No.: 0121 507 4489/4980 Fax No.: 0 Fax No.: 0121 523 4562

Nerve Monitoring With The Magstim Company

The Neurosign 100 is widely used in many countries to monitor the facial nerve during skull-base and head and neck surgery. It has helped many surgeons in their efforts to improve the outcome for patients, and as such has been a contributing factor to the statistical improvement in facial nerve preservation.

Help to Preserve that Voice using Laryngeal Nerve Monitoring

Thyroid surgery carries a small risk to injury to the recurrent laryngeal nerves, although such injury can be devastating to someone who uses their voice professionally - teachers, singers, actors, doctors! In the event of revision surgery, not uncommon in these cases after a fewyears, the risk is greater. Use the Neurosign 100 to help protect these nerves. Use the Neurosign 100 to monitor the facial nerve during acoustic neuroma resection, middle ear surgery, mastoidectomy, parotidectomy and submandibular gland removal. For further information or to arrange a demonstration, please contact your local distributor or the Company.

Neurosign[®] 100

THE MAGSTIM CO. LTD Spring Gardens, Whitland, Carmarthenshire SA34 OHR, U.K. Phone: +44 (0) 1994 240798 Fax: +44 (0) 1994 240061

MDM MEDICAL Office Suite 3, Homestead Farm Stockbridge, Hampshire S020 6LG Tel: (01264) 811080 Fax: (01264) 811090

TEKNO SURGICAL LTD Fisherman's Wharf Ringsend, Dublin 4 Tel: 01 6672 871 Privide: 01 6672 873 THE MATER GRAM

EDEN MEDICAL Unit 2C, West Telferton Edinburgh EH7 6UL Tel: (0131) 669 8385 Fax: (0131) 657 4013.