Presentation

Madopar contains a combination of levodopa and the decarboxylase inhibitor benserazide in the ratio of 4:1. Madopar 62:5 capsules containing 50mg levodopa and 14 25mg benserazide hydrochloride (equivalent to 12 5mg of the base). Madopar 125 capsules containing 100mg levodopa and 28 5mg benserazide hydrochloride (equivalent to 25mg of the base) Madopar 250 capsules containing 200mg levodopa and 57mg benserazide hydrochloride (equivalent to 50mg of the base)

Indications

Parkinsonism - idiopathic, postencephalitic.

Dosage

Dosage is variable and the data sheet should be consulted for full details. The effective daily dose usually lies between four and eight capsules of Madopar 125 (two to four capsules of Madopar 250) daily in divided doses, most patients requiring no more than six capsules of Madopar 125 daily. In some elderly patients initial treatment with one capsule of Madopar 62 5 once or twice daily, increasing by one capsule every third or fourth day may suffice Patients who experience fluctuations in response may also benefit from administration of smaller more frequent doses using Madopar 62.5

Contra-indications

Narrow-angle glaucoma, severe psychoneuroses or psychoses It should not be given in conjunction with monoamine oxidase inhibitors or within two weeks of their withdrawal, to patients under 25 years of age, to pregnant women; or to patients who have a history of, or who may be suffering from, a malignant melanoma

Precautions

Drugs which interfere with central amine mechanisms should be avoided Endocrine renal pulmonary or cardiovascular disease, hepatic disorder, peptic ulcer, osteoporosis sympathomimetic drugs antihypertensive drugs. Patients who improve on Madopar therapy should be advised to resume normal activities gradually as rapid mobilisation may increase the risk of injury

Side-effects

Nausea and vomiting cardiovascular disturbances, psychiatric disturbances

Packings

Madopar 62 5 capsules, Madopar 125 capsules and Madopar 250 capsules in packings of 100

Licence Numbers

0031/0125 (Madopar 62-5 capsules), 0031/0073 (Madopar 125 capsules), 0031/0074 (Madopar 250 capsules)

Basic NHS Cost

Madopar capsules 62 5 £4.01 per 100 Madopar capsules 125 £7 23 per 100 Madopar capsules 250 £12.94 per 100

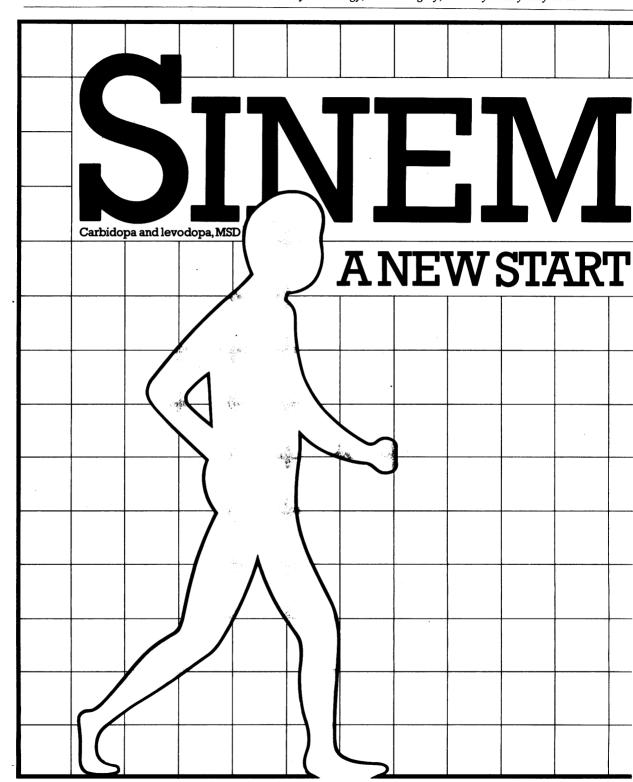


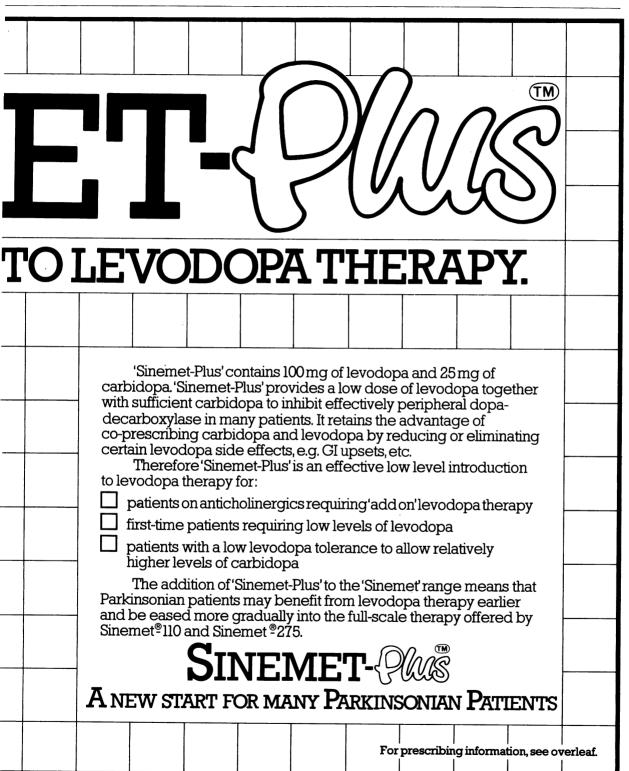
Roche Products Limited PO Box 8 Welwyn Garden City Hertfordshire AL7 3AY Madopar is a trade mark



Madopar

the original 4+1 combination in three dosage forms, 62-5, 125 and 250





PRESCRIBING INFORMATION

INDICATIONS

For treatment of Parkinson's disease and syndrome.

DOSAGE AND ADMINISTRATION

The optimum daily dosage of 'Sinemet' must be determined by careful titration for each patient.

'Sinemet' Tablets are available as:

'Sinemet-110 containing 10 mg carbidopa and 100 mg

'Sinemet-Plus' containing 25 mg carbidopa and 100 mg levodopa.

'Sinemet'-275 containing 25 mg carbidopa and 250 mg levodopa.

General considerations: Studies show that the peripheral enzyme dopa decarboxylase is fully inhibited (saturated) by carbidopa at dops between 70 and 100 mg a day. The formulations of Sinemer' are designed to provide a range of doses with sufficient carbidopa to inhibit peripheral dopa decarboxylase and thus exert optimal therapy.

Patients who require less than 700 mg levodopa given as Sinemet-275 will theoretically not receive sufficient carbidopa to saturate peripheral dopa decarboxylase. 'Sinemet-Plus' may be helpful, especially for patients with nausea and vomiting.

Most patients can be maintained on divided doses of three to

six tablets of 'Sinemet'-275 a day. Tablets are scored for easy division should the frequency of daily dosage need to be increased. During the titration period, 'Sinemet-Plus' may be more convenient.

Patients on 'Sinemet-Plus' who need a higher dosage should be switched to 'Sinemet'-275. Dosage with either form should not exceed eight tablets a day. If patients do show a need for higher doses, levodopa should be added.

Because both beneficial and adverse effects are seen more rapidly with 'Sinemet' than with levodopa, patients should be carefully monitored during the dosage adjustment period. Involuntary movements, particularly blepharospasm, is a useful early sign of excess dosage in some patients.

'Sinemet'110 can be used as an alternative to 'Sinemet-Plus'.

Patients not receiving levodopa: Dosage may be initiated with one tablet of 'Sinemet-Plus' three times a day, and adjusted as necessary by small increments to a maximum daily dosage of eight tablets. If patients need more levodopa, one tablet of 'Sinemet-275 should be substituted three or four times a day. If further titration is necessary, the dosage of 'Sinemet' 275 may be increased gradually to a maximum of eight tablets a day.

Patients receiving levodopa: Discontinue levodopa at least twelve hours (24 hours for slow-release preparations) before starting therapy with Sinemet The easiest way to do this is to give 'Sinemet' as the first morning dose after a night without any levodopa. The dose of 'Sinemet' should be approximately 20% of the previous daily dosage of levodopa.

The suggested starting dose for most patients is one tablet of 'Sinemet' 278 three or four binary and the suggested starting dose for most patients is one tablet of 'Sinemet' 278 three or four binary and the suggested starting dose for most patients.

'Sinemet-275 three or four times a day.

Patients requiring less than 1,500 mg levodopa a day should be started on one tablet of Sinemet-Plus three or four times a day. The dosage may then be adjusted gradually, but should not

exceed eight tablets a day.

Patients receiving levodopa with another decarboxylase inhibitor: When transferring a patient to 'Sinemet' from levodopa combined with another decarboxylase inhibitor, its dosage should be discontinued at least twelve hours before 'Sinemet' is started. Begin with a dosage of 'Sinemet' that will provide the same amount of levodopa as contained in the other levodopa/decarboxylase inhibitor combination.

Use with other antiparkinsonian agents: Current evidence indicates that other antiparkinsonian agents such as anticholinergics and amantadine may be continued when 'Sinemet' is introduced, although dosage may have to be adjusted.

CONTRA-INDICATIONS

Concurrent use with monoamine oxidase inhibitors (these must be discontinued at least two weeks before starting 'Sinemet'); narrow-angle glaucoma; known hypersensitivity to this medication. Because levodopa may activate a malignant melanoma, it should not be used in patients with suspicious undiagnosed skin lesions or a history of melanoma.

See also 'Use in pregnancy and the nursing mother,' under 'Precautions'

PRECAUTIONS

'Sinemet' is not recommended for the treatment of druginduced extrapyramidal reactions. 'Sinemet' should be administered cautiously to patients with severe cardiovascular or pulmonary disease, bronchial asthma, renal, hepatic or endocrine disease. All patients should be monitored carefully for the development of mental changes, depression with suicidal tendencies, and other serious antisocial behaviour Patients with current psychoses should be treated with caution. Patients with a history of severe involuntary movements or psychotic episodes when treated with levodopa alone should be observed carefully when 'Sinemet' is substituted. These reactions are thought to be due to increased bram dopamine following administration of levodopa, and use of 'Sinemet' may cause a recurrence. If concomitant administration of psycho-active drugs such as phenothiazines or butyrophenones is necessary, such drugs should be administered with caution, and patients carefully observed for loss of antiparkinsonian effect. Patients with a history of convulsions should be treated with caution. Both phenytoin and papaverine have been reported to reverse the beneficial effects of levodopa

Patients with chronic wide-angle glaucoma may be treated cautiously with 'Sinemet', provided the intra-ocular pressure is well controlled and the patient monitored carefully for changes in intra-ocular pressure during therapy.

Care should be exercised when 'Sinemet' is administered to

patients with a history of myocardial infarction who have atrial, nodal, or ventricular arrhythmias. Cardiac function should be monitored with particular care in such patients during the period of initial dosage adjustment.

As symptoms of postural hypotension have occasionally been reported, 'Sinemet' should be given with caution to patients receiving antihypertensive agents. Adjustment of the dosage of the antihypertensive agent may be required when 'Sinemet' is started. (For patients on pargyline, see the contra-indication on monoamine oxidase inhibitors.)

As with levodopa there is a possibility of upper gastrointestinal haemorrhage in patients with a history of peptic ulcer.

If general anaesthesia is required, therapy with 'Sinemet' may be continued as long as the patient is permitted to take fluids and medication by mouth. If therapy is interrupted temporarily, the usual daily dosage may be administered as soon as the patient is able to take oral medication.

Transient abnormalities in laboratory test results may occur, but have not been associated with clinical evidence of disease. These include elevated levels of blood urea, SGOT, SGPT, LDH, bilirubin, alkaline phosphatase, or protein-bound iodine.

Positive Coombs tests have been reported, both with 'Sinemet' and levodopa alone, but haemolytic anaemia is extremely rare.

Use in children: The safety of 'Sinemet' in patients under eighteen years of age has not been established.

Use in pregnancy and the nursing mother: Although the effects of 'Sinemet' on human pregnancy and lactation are unknown, both levodopa and combinations of carbidopa and levodopa have caused visceral and skeletal malformations in rabbits. Therefore, use of 'Sinemet' in women of childbearing potential requires that the anticipated benefits of the drug be weighed against possible hazards should pregnancy occur. Sinemet' should not be given to nursing mothers

Drug interactions: Clinical experience with concurrent adminstration of 'Sinemet' and other standard antiparkinsonian drugs, e.g. benztropine mesylate, benzhexol hydrochloride, is limited. To date, however, there has been no indication of interactions that would preclude concurrent use. No adverse reactions have been reported that do not occur with the various agents alone.

SIDE EFFECTS

Side effects that occur frequently with 'Sinemet' are those due to the central neuropharmacological activity of dopamine. These reactions can usually be diminished by dosage reduction. The most common are choreiform, dystonic, and other involuntary movements. Muscle twitching and blepharospasm may be taken as early signs to consider dosage reduction.

Less common are mental changes, including paranoid

(Prescribing Information Cont)

ideation and psychotic episodes; depression, with or without development of suicidal tendencies; and dementia. Convulsions have occurred, but a causal relationship has not been established.

Less frequent side effects are cardiac irregularities and/or palpitations, orthostatic hypotensive episodes, bradykinetic episodes (the 'on-off' phenomenon), anorexia, nausea, vomiting

Gastro-intestinal bleeding, development of duodenal ulcer, hypertension, phlebitis, leucopenia, and agranulocytosis have occurred rarely.

Positive Coombs tests have been reported both with 'Sinemet' and with levodopa alone, but haemolytic anaemia is extremely

Other side effects that have been reported include

Psychiatric: euphoria, lethargy, sedation, stimulation, fatigue and malaise, confusion, insomnia, nightmares, hallucinations and delusions, agitation and anxiety.

Neurological: ataxia, faintness, headache, increased hand tremor, trismus, oculogyric crisis, weakness, numbness, bruxism.

Gastro-intestinal: constipation, diarrhoea, epigastric and abdominal distress and pain, flatulence, hiccups, sialorrhoea, difficulty in swallowing, bitter taste, dry mouth, burning sensation of the tonque.

Dermatological: sweating, oedema, hair loss, rash, unpleasant odour dark sweat

Respiratory; hoarseness, bizarre breathing pattern.

Urogenital: urinary retention, incontinence, haematuria, dark urine.

Special senses: blurred vision, diplopia, dilated pupils, activation of latent Homer's syndrome

Other: hot flushes, weight gain or loss, flushing, abnormalities in laboratory tests (see 'Precautions').

There are three strengths of 'Sinemet' The standard strength is known as 'Sinemet'-275 and is supplied as dapple-blue, half-scored, oval tablets, marked 'MSD 654' containing 25 mg carbidopa (as carbidopa monohydrate) and 250 mg levodopa BP, in bottles of 100.

'Sinemet-Plus' is available as yellow, half-scored, oval tablets, marked 'SINEMET-PLUS' containing 25 mg carbidopa (as carbidopa monohydrate) and 100 mg levodopa BP, in bottles of 100

'Sinemet'-110, supplied as dapple-blue, half-scored, oval tablets, marked 'MSD 647', containing 10 mg carbidopa (as carbidopa monohydrate) and 100 mg levodopa BP, in bottles of 100

Basic NHS costs: 'Sinemet-275 Tablets (100) £12.20. 'Sinemet-Plus' Tablets (100) £10.70. 'Sinemet'110 Tablets (100) £6.30.

Product licence numbers 'Sinemet'-275 Tablets, 0025/0085. 'Sinemet-Plus' Tablets, 0025/0150 'Sinemet'-110 Tablets, 0025/0084

Product authorisation numbers: 'Sinemet-275 Tablets, 35/47/2. 'Sinemet-Plus' Tablets, 35/47/3. 'Sinemet'110 Tablets, 35/47/1

Agents in the Republic of Ireland: Cahill May Roberts, P.O. Box 1090, Chapelizod, Dublin 20.

Additional information is available to the medical profession on request

Issued September 1981

R denotes registered trademark.

(TM) denotes trademark.



MSD SHARP Merck Sharp & Dohme Limited, Hoddesdon, BOHME Hertfordshire, EN11 9BU

8.82.SEM.81.GB.7952.I

TODAY'S TREATMENT/4

The drugs that we use today are increasingly potent, dangerous, and expensive, and every doctor should have some understanding of clinical pharmacology and drug-induced diseases. Both these subjects, which have been badly taught in medical schools, are covered comprehensively in this new book, which consists of articles taken from the BMJ. Also included are articles that provide a clear and up-to-the-minute introduction to anaesthetics.

Price: Inland £4.50 Abroad US\$20.50* including postage

(Concessionary price to BMA Members: Inland £4.00; Abroad US \$19.00*. When ordering BMA Members must quote their membership number or the full price will be applicable.)

*Including airmail postage.

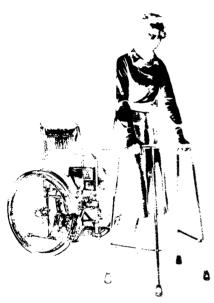
Payment must be enclosed with order or a surcharge of 50p will be made for rendering invoices and statements

Order your copy now from

The Publisher, BRITISH MEDICAL JOURNAL. BMA House. Tavistock Square, London WC1H 9JR

or through any leading bookseller

SPASTICITY FOLLOWING STROKE



LIORESAL®

baclofen INN

Brings back a feeling of achievement

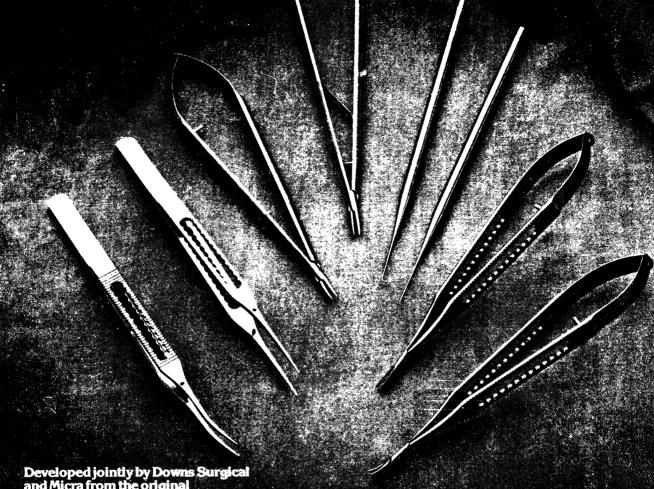
Prescribing notes: Indications Relief of spasticity of voluntary muscle arising from cerebrovascular accidents, cerebral palsy, meningitis, traumatic head injury, multiple sclerosis and other spinal lesions. Dosage Adults: Initially 15mg daily in three divided doses, increasing slowly at intervals of at least three days, until the optimum effect is achieved. Satisfactory control is usually obtained with doses up to 60mg daily, but careful adjustment is often necessary to meet the requirements of individual patients. A maximum daily dose of more than 100mg is not advised unless the patient is in hospital and under careful supervision. Children: Initially 5-10mg daily in divided doses, and a maximum dose of 60mg daily. There have been no reports of tolerance. Side-effects Nausea; vomiting; daytime sedation and confusion; muscle hypotonia and fatigue; visual hallucinations. Precautions Concurrent administration of antihypertensives; psychotic states; epilepsy; first three months of pregnancy. Packs Lioresal 10mg tablets in Securitainer packs of 100.

Basic NHS price £11.66. PL0008/0053. **denotes registered trademark.**

Full prescribing information is available on request from CIBA Laboratories, Horsham, West Sussex.

Micra-fine

A New Range of Fine Microsurgical Titanium Instruments specifically designed for a wide range of procedures including micro-anastomosis



Developed jointly by Downs Surgical and Micra from the original Microsurgical Instruments designed by Dermot Pierse

This new range of instruments is ideally suited to all types of microsurgery and especially suitable for the anastomosis of very small vessels.

Therefore there are applications in Microvascular Surgery, Plastic Surgery (e.g. replanting digits), Gynaecology (e.g. repair of fallopian tubes), Urology (e.g. reversal of vasectomy), Neurosurgery, Orthopaedic Surgery, Hand Surgery and all other fine surgical procedures performed under the microscope, with telescopic loupes or with simple binocular loupes.

Manufactured in Titanium

The particular metallurgical properties of titanium make it the ideal material for fine surgical instruments. Titanium instruments are non magnetic, lighter weight, have greater strength and are longer lasting than conventional stainless steel micro surgical instruments. The blue titanium oxide finish minimises the light reflection under the microscope.

Downs Surgical

To: Downs Surgical Ltd., Church Path, Mitcham, Surrey CR4 3UE, England. Please send me details of Micrafine Microsurgical Titanium Instruments.

Name		 -	
Address			



200 enteric-coated, 500 enteric-coated tablets; syrup.

Epilim is a powerful anticonvulsant capable of providing control for the majority of adults with tonic-clonic seizures or other epilepsies. including those not well controlled on previous treatments. Because it controls without sedation. Epilim allows many patients to lead full, normal lives.

- Presentation
 1. Epilim 200 enteric-coated. A lilac-coloured enteric-coated tablet containing 200mg
- sodium valproate.

 2. Epilim tablets. A white scored tablet containing 200mg sodium valproate 3. Epilim 500 enteric-coated. A lilac-coloured enteric-coated tablet containing 500mg
- sodium valproate.

 4. Epilim Syrup. A red cherry-flavoured syrup containing 200mg sodium valproate per

Epilepsy. In women of childbearing age, Epilim should be used only in severe cases or in those resistant to other treatment.

Dosage and AdministrationTo be taken with or after food: enteric-coated and plain tablets should be swallowed be the first of the control of the c

tablet. Epilim 500 enterior-coated is recommended for patients requiring high obsages.
Adults: Dosage should start at 600mg/day, in divided doses, increasing by 200mg/day at three-day intervals until control is achieved. (Maximum Dose 2600mg/day) in patients already receiving of their therapy the same pattern should be followed Dosage of barbiturates should be reduced as that of Epilim is increased, the respective dosages should be adjusted, during the stabilisation period, to give optimum control at the lowest possible combined-dose level, and it may be found possible to maintain control with Epilim alone.

Once known enzyme-inducers have been withdrawn, it may be possible to maintain seizure control on reduced dose of Epilim. Although a method of measuring plasma levels is available, optimum dosage must ultimately be determined by seizure-control.
Children over 20kg: Initially 400mg/day in divided doses with spaced increases until control is achieved lusually in the range of 20-30mg/kg/day).

Children under 20kg: Jonna/kg of body weight per day, in severe cases, this may be increased up to 50mg/kg/day but should be undertaken only in patients in whom plasma valproate levels, clinical chemistry and haematological parameters can be monitored.

Contra-Indications, Warnings, etc.
Liver dysfunction, including hepatic failure resulting in fatalities has occurred in patients whose treatment included valproic acid or sodium valproate. The incidents occurred during the first six months of therapy, the period of maximum risk being? >12 weeks. No deaths have occurred in patients receiving the drug continuously for more

has no moths. But the term of the transport of transport of the transport of the transport of the transport of transport of the transport of the transport of the transport of t

Hyperammonaemia without hepatic damage can occur in patients during treatmen with valproic acid or sodium valproite This may manifest clinically as vomiting, ata and increasing clouding of consciousness. Should these symptoms occur. Epilim should be discontinued

Valproic acid inhibits second stage of platelet aggregation. Reversible prolongation of Valproic acid inhibits second stage of platelet aggregation. Reversible prolongation of bleeding time and thrombocytopenia have been reported. Spontaneous brusing or bleeding is an indication for withdrawal of medication pending investigations. Patients receiving Epilim should be monitored for platelet function before major surgery. Red cell hypoplasia and leucopenia have been reported. The blood picture returned to normal when the drug was discontinued. Pancreatitis has occurred in patients receiving valproic acid or sodium valproate. Patients experiencing acute abdominal

receiving valproic acid or sodium valproate. Patients experiencing acute abdominal pain should have serum amylase estimated. Minor gastric irritation and, less frequently, nauses may occur at the start of treatment, but these problems can usually be overcome by administering Epilim tablets or syrup with or after lood, by transferring the patient to the Epilim enteric coated formulations. Transient hair loss has been noted in some patients. Regrowth normally begins within six months. Tremor has occasionally been observed at high dosage. Oedema has been reported. Increase in aliertness, appetite and weight may occur. Combined medication: Epilim is generally well tolerated in combination with other anti-epileptic agents, however, as interaction occurs between these compounds; it may sometimes be necessary to reduce the dosage of other drugs when adding Epilim to existing anti-convulsant therapy Epilim may also potentiale the effect of monoamine oxidase inhibitors and other anti-depressants, and dosage of such compounds should be reduced. Diabetic patients. Epilim may give false positives in urine testing for ketones. Care should be taken when treating diabetic patients with Epilim Syrup which contains 3.6g sucrose per 5ml.

should be taken writen it earing viacetal parents. Sucrose per 5ml.

Women of childbearing age. Valproic acid or sodium valproate, like certain other anti-convulsants, have been shown to be teratogenic in animals. In women of childbearing age, the benefits of these compounds should be weighed against the possible hazard suggested by these findings.

Further Information

n plasma valoroic acid is within the recommended range of 50-120mg/litre when plasma valprote actor is winn in the recommentoed range of 30-120 mg/mm/ 3505-840m mol/lifter) and serum albumin levels are normal, about 97% of the drug is bound to albumin. If the total plasma valprote actor is ses above the upper range of normal, or if there is hypoalbuminaemia, the percentage of free valprote acid may rise markedly in disproportion to any dosage increase and may be associated with a higher incidence of adverse effects.

Product Licence Numbers, Names and Addresses Epilim 200 enteric-coated tablets 0623/0006 Epilim Tablets 0623/0001 Epilim 500 enteric-coated tablets 0623/0005 Epilim Syrup 0623/0004

Epilim Syrup 0623/0004
NHS Cost
Epilim 200 enteric-coated tablets: 100, £7, 04
Epilim 500 enteric-coated tablets: 100, £17, 60
Epilim Syrup: 200ml, £4, 03
Epilim 200mg tablets: 100, £5, 45

LABAZ: Sanofi UK Ltd
Regent House, Heaton Lane,
Stockport SK4 1AG, Cheshire
Telephone: 061-480 0895/6/7/8

Additional Information is available from the Company



For many grand mal patients



a full, normal life under the protection of



200 enteric-coated, 500 enteric-coated tablets; syrup.

CONGRESS ON LASER NEUROSURGERY, II **SEPTEMBER 23-25. 1982** CHICAGO, ILLINOIS

The Second Congress on Laser Neurosurgery will be held in Chicago, Illinois September 23-25, 1982. International in scope and clinical in orientation, the Congress will be preceded by a one half day tutorial session on laser biophysics.

World experts on each of the applications of laser in Neurosurgery will present their techniques and experience with CO₂, Argon, and Nd: YAG instruments. Governmental and legal representatives will discuss the issues of control and regulation. Laser safety, anesthesiologic considerations, and nursing aspects will be specifically addressed. Basic Science and free paper sessions will round out this comprehensive update on the state of the art of laser neurosurgery. The Congress will be useful to those already employing the instrument as well as those contemplating its use.

For further information contact: The Alumni Center for Continuing Education, Northwestern University Medical School, 301 E. Chicago Ave., Chicago, Illinois. Telephone (312) 649-8533.

CME Credits: 15

Sponsored by: The Alumni Center for Continuina Education, Northwestern University Medical School; the Division of Neurological Surgery, Northwestern University Medical School; The Midwest Bio-Laser Institute; The American Society for Laser Medicine and Surgery.



AMERICAN ASSOCIATION OF ELECTROMYOGRAPHY AND ELECTRODIAGNOSIS ANNOUNCES



Fifth Annual AAEE CME Course in Electromyography Twenty-ninth AAEE Annual Meeting AAEE International Symposium on Central EMG in St. Paul, Minnesota

October 7, 1982 October 8-9, 1982 October 10, 1982

October 10, 1982: INTERNATIONAL SYMPOSIUM ON CENTRAL EMG (New This Year!)

Faculty: Drs. P. Delwaide (Belgium), M. Dimitrijevic (Houston), H. Freund (Germany), K.-E. Hagbarth (Sweden), J. Lance (Australia), D. Marsden (England), B. Shahani (Boston),

A. Struppler (Germany) and R. Young (Boston).

COURSE I - FUNDAMENTALS OF EMG October 7, 1982:

Faculty: Drs. J. Albers (Ann Arbor), J. Daube (Rochester, MN), C. Jablecki (San Diego), J. Kimura (Iowa City)

and W. Stolov (Seattle).

B. Somatosensory Evoked Potentials COURSE II - SPECIAL TOPICS IN EMG: A. Pediatric EMG

Faculty: A. Drs. C. Eng (D.C.), R. Miller (San Francisco) and A. Sumner (Philadelphia).
B. Drs. E. Baran (Philadelphia), K. Chiappa (Boston), R. Cracco (Brooklyn), A. Eisen (Vancouver), P. Maccabee (New York), W. Wiederholt (San Diego) and R. Young (Boston).

October 8-9, 1982: TWENTY-NINTH AAEE ANNUAL MEETING - Didactic Program: Disorders of Neuromuscular Function

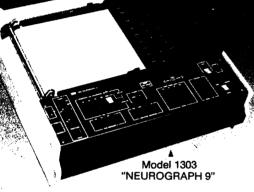
Faculty: Drs. D. Drachman (Baltimore), G. Fischbach (St. Louis), E. Lambert (Rochester, MN)

and E. Stälberg (Sweden). Lambert Lecturer: Dr. E. Henneman (Boston).

Register for one or any combination of the above by requesting registration material from Ella M. VanLaningham, AAEE Executive Secretary, 732 Marquette Bank Building, Rochester, MN 55901 (507/288-0100).

From O.T.E. a complete EEG recording system.

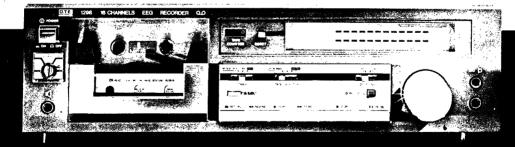
In addition to its well-known line of NEUROGRAPH EEG machines, O.T.E. BIOMEDICA, a company for years engaged in research and development of neurological instrumentation, now offers a magnetic-tape system providing a wide range of recording, reproduction and interfacing capabilities at low purchase and operating costs.



Model 1296 16 channel EEG tape recorder

Model 1230 "NEUROGRAPH 18"

......





O.T.E. BIOMEDICA

FARMITALIA CARLO ERBA SUBSIDIARY 22 MONTEDISON GROUP

p.o.box 400 - 50100 Florence (Italy)

Neurological Research

An Interdisciplinary Quarterly Journal

George M. Austin, Editor

This important new journal emphasizes an interdisciplinary approach to problems of neurology and neurological science. Subjects covered include neurology, neurological surgery, psychobiology, biomathematics, neuropathology, biochemistry, physiology, and cybernetics.

The Editorial Board is comprised of scientists who have been innovators in the development of new ideas and techniques for the solution of clinical and neurological problems. Full-length research papers as well as shorter research papers, technical reports, and review articles are included in the journal.

Selected articles from the first issue

Intraluminal Diameters of Middle Cerebral Branches for Microanastomosis • Biomathematical Models of Schizophrenia • Measurement of the Hydrostatic Pressures of the Cochlear Compartments • The Role of Extracellular Potassium in Early Epilepsy.

Issued quarterly / Volume 1 \$76.00

Butterworth (Publishers) Inc.

10 TOWER OFFICE PARK WOBURN, MASSACHUSETTS 01801

EEG in Clinical Practice

John R Hughes, University of Illinois

- Presents important concepts and major practical points in EEG in simple, understandable language.
- Comprehensive addresses apparatus and method, names of rhythms and patterns, localization techniques, artifacts, normal rhythms (emphasizing premature and neonatal) and abnormal rhythms.
- Includes topics of special interest recording in intensive care units, common problems of EEG technicians and medico-legal EEG.
- Presents electro-clinical correlations rather than listing disease entities with their associated EEG patterns.

This book is designed to give a complete overview of the clinical uses of the EEG. After presenting a brief description of EEG instrumentation, the book concentrates on diagnosis of abnormal EEG patterns and their clinical significance. The final section of the book deals with topics of special interest, such as EEG recording in the ICU, common problems of technicians, and medico-legal issues.

June 1982 256 pages £15.00 (Published by Butterworths Inc. Woburn, Mass., USA)

Order from your bookseller

Further details available from

Butterworths, Borough Green, Sevenoaks, Kent TN15 8PH, England

Fibrinolysis and its Inhibition

The Proceedings of a Symposium organised by the Royal College of Pathologists

Edited by J. F. Davidson

Scientific basis—Biological role of fibrinolysis • Biochemistry of the plasmin system • Breakdown products of fibrin and fibrinogen: molecular mechanisms and clinical implications • Plasminogen activators: a morphologist's view • Natural inhibitors of fibrinolysis • Pathophysiology of intravascular coagulation and fibrinolysis • Therapeutic considerations—Basis of antifibrinolytic therapy • Clinical pharmacology of aminocaproic and tranexamic acids • Assessment of inhibitors with chromogenic substrates • Clinical applications—Inhibitors of fibrinolysis in the treatment of haemophilia • Clinical applications of fibrinolytic inhibition in gynaecology • Antifibrinolytic therapy in genitourinary tract surgery • Fibrinolysis and gastrointestinal haemorrhage • Tranexamic acid (AMCA) in aneurysmal subarachnoid haemorrhage • Adjuvant treatment of ovarian carcinoma with tranexamic acid • Future prospects for use of fibrinolysis inhibitors.

Price: Inland £5.00; Abroad US \$12.50, including postage

Payment must be enclosed with order or a surcharge of 50p will be made for rendering invoices and statements

ORDER YOUR COPY NOW FROM: The Publisher, Journal of Clinical Pathology, B.M.A. House, Tavistock Square, London WC1H 9JR