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Neurological Sciences

LE JOURNAL CANADIEN DES

Sciences Neurologiques

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has demonstrated a low propensity to produce dyskinesias.^{2†††} Maybe it's time to rethink Parkinson's. And start early Parkinson's patients on ReQuip alone.

[†] Hoehn and Yahr stages III ^{††} A 6 month interim analysis of a 5-year, double-blinded, randomized, multicenter study of patients with early Parkinson's disease. N = 268:179 patients received ropinirole and 89 received L-dopa. The mean daily dose was 9.7 mg and 464.0 mg respectively. There was no difference in Clinical Global Improvement scale in patients with Hoehn and Yahr stages III although L-dopa showed improvement in a greater proportion of patients with more severe disease. The proportion of responders was 58% in the L-dopa group and 48% in the ropinirole group: this was not of statistical significance. ^{†††} In early therapy, the respective incidences of dyskinesia in early therapy of patients receiving ropinirole was 1.2%, and of patients receiving L-dopa was 11.2%. Meta analysis, n = 1364, 17 months. Nausea (39.1%), somnolence (12.3%) and insomnia (12.3%) were the most common side effects of ReQuip therapy. Six percent of ropinirole patients and nine percent of L-dopa patients had at least one psychiatric symptom (confusion, hallucinations, or delusions).



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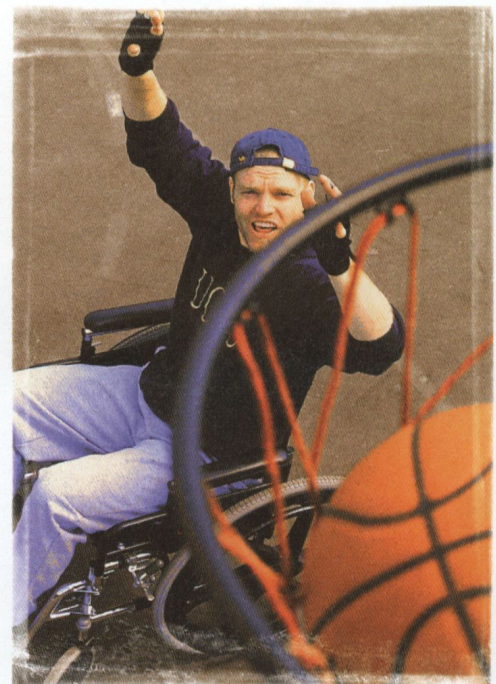
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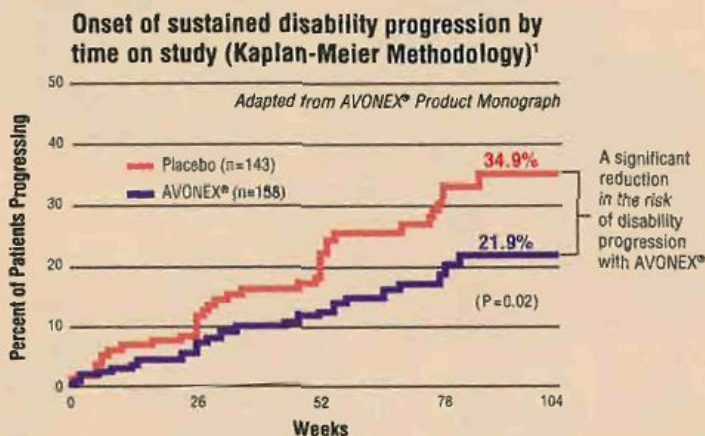
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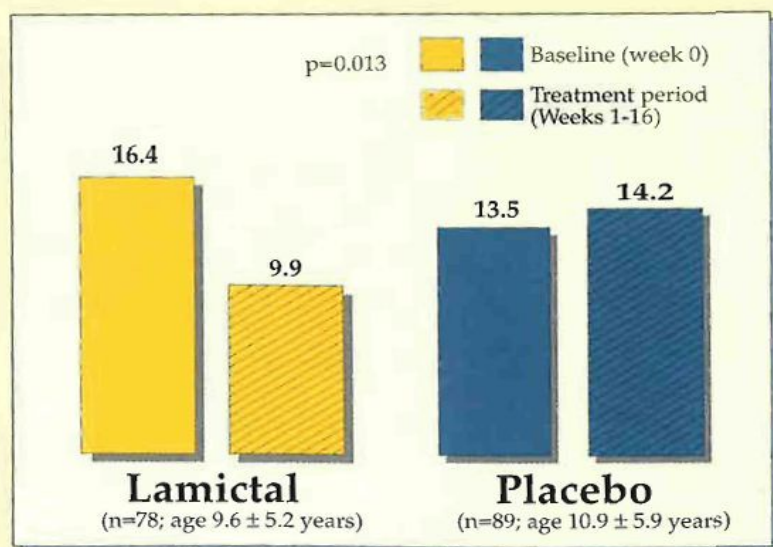
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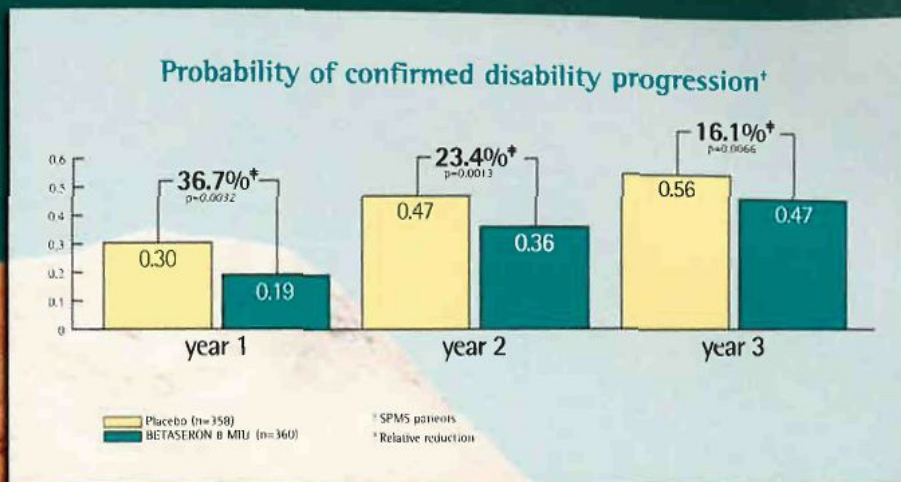
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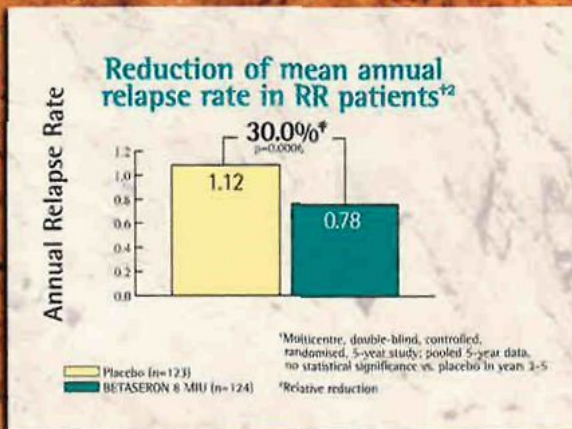
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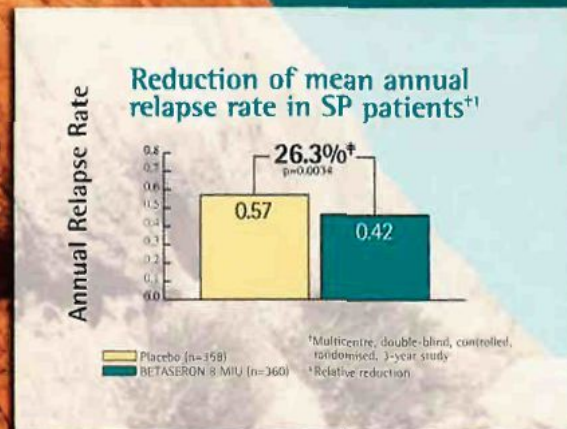


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25 Years Ago in the Canadian Journal of Neurological Sciences

THE BRAIN, THE HEART AND TAURINE

André Barbeau

Summary: This paper reviews some recent developments concerning the "non-essential" amino acid taurine. It is shown that taurine is important in metabolic regulations within the heart, muscle and brain. Particular attention is paid to the neuropharmacology of taurine, such as its possible role in epilepsy.

Can. J. Neurol. Sci. 1975;2:343

PATTERNS OF MEMORY PERFORMANCE IN THE NEUROLOGICALLY IMPAIRED AGED

Francisco I. Perez, Joe R.A. Gay, Ronald L. Taylor and Victor M. Rivera

Summary: The specific behavioral manifestation associated with the different disorders producing the syndrome of dementia have remained poorly investigated. We examined the memory performance of three distinct groups of patients with dementia secondary to Alzheimer's disease (AD), multiple infarctions (MID) and vertebrobasilar insufficiency (VBI) on the ten subtests of the Wechsler Memory Scale (WMS). Statistical methods of analysis were used to maximise the differences between the groups. Univariate statistical procedures revealed that the AD group performed significantly and consistently lower than the two cerebrovascular groups. There were no significant differences between the two cerebrovascular disease groups, even though the MID group tended to perform consistently more poorly than the VBI group. For heuristic and conceptual purposes as well as to determine which combination of the ten WMS variables produced the "best" statistical model differentiating the groups the data was analyzed by multivariate techniques. A discriminate function analysis obtained a 100% valid positive hit rate in discriminating among the three groups. One hundred percent diagnostic accuracy was also obtained in discriminating between MID and AD as well as AD and VBI. The two cerebrovascular groups tended to overlap in their probability distributions with an 81% hit rate. Different predictive statistical models were identified to differentiate the various diagnostic groups. It was possible to discriminate the three diagnostic groups by different patterns of memory performance.

Can. J. Neurol. Sci. 1975;2:347

CONGENITAL DISPLACEMENT OF TEMPORAL CORTEX INTO THE CENTRAL SPINAL CANAL

David A. Silver and David M. Robertson

Summary: This is a report of the first recorded observation of displacement of temporal cortex into the central spinal canal in an infant with the Arnold Chiari malformation, platybasia, aqueductal atresia, hydrocephalus and meningomyelocele. The combination of an absent tentorium, absent right cerebellar hemisphere and malformed fourth ventricular roof provided the anatomical background for this unique event.

Can. J. Neurol. Sci. 1975;2:3357

25 Years Ago in the Canadian Journal of Neurological Sciences

A MODEL FOR THE FUTURE CARE OF ACUTE SPINAL CORD INJURIES

E.H. Botterell, A.T. Jousse, A.S. Kraus, M.G. Thompson, M. Wynne-Jones and W.O. Geisler

Summary: This is a review of the total care of those acute spinal cord injury patients in Ontario during the years 1969 and 1970, from extrication and transportation following the accident to death, or the completion of primary definitive rehabilitation.

Information was extracted from the available ambulance records, the patients and many of the responsible physicians were interviewed personally. The study was detailed and intensive and included a review of each patient's hospital records in each hospital up to discharge from the rehabilitation programme into the community, or to a chronic care unit. The data was compiled in accordance with a detailed and lengthy questionnaire developed for this study.

The incidence of acute cord injuries in Ontario in 1969 and 1970 amounted to 244; in 1969, 15.9 per million population and in 1970, 13.6 per million. As in other studies road accidents took first place, followed by falls from a height; sports injuries ranked third and 65.7% of these were caused by diving into shallow water. Age incidence, and incidence by month, day of week and time of day were identified. Fridays and Saturday afternoons in July and August are particularly hazardous.

The study continued to the end of 1974 by which time 34 deaths had been recorded. Peak incidence of death occurred within fourteen days of injury. The most common cause of death was respiratory in origin.

Geographical distribution was identified and the type of hospital treating the acutely injured patient.

Fourteen percent of persons with spinal column injury suffered progressive or sequential spinal cord damage both prior to and following medical contact. The incidence of pressure sores and genitourinary sepsis and calculosis was high in all types of hospitals. The effect of operative treatment was noted in the cases of complete quadriplegia and paraplegia.

Of the 133 survivors who undertook a rehabilitation program, 84% returned to their homes and 59% achieved gainful employment or ongoing education.

The cost was determined of general hospital services and rehabilitation programmes.

A new model for the care of the spinal cord injury patients in Ontario was proposed.

Can. J. Neurol. Sci. 1975;2:361

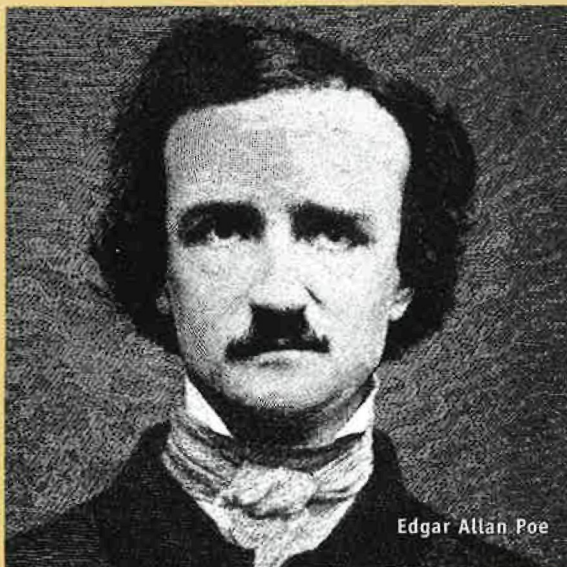
TECHNICAL REPORT: METHOD OF FIXATION OF SUBLUXED OR DISLOCATED CERVICAL SPINE BELOW C1-C2

H.H. Tucker

Summary: A method of internal fixation of adjacent vertebrae that have been dislocated or subluxed has been presented. In the author's hands and in the hands of associates this has proven to be a satisfactory method of fixation of this type of injury. It has the advantage over many other posterior techniques that only two vertebrae are fixed together.

Can. J. Neurol. Sci. 1975;2:381

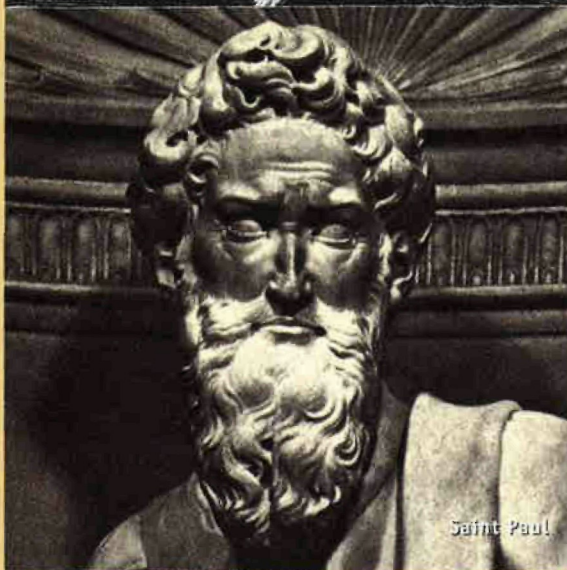
ONCE IT TOOK EXCEPTIONAL EFFORT OR EXTRAORDINARY TALENT FOR PEOPLE WITH EPILEPSY TO SUCCEED. LUCKILY, BOTH YOUR ADULT AND PEDIATRIC PATIENTS CAN NOW ENJOY LESS TAXING ALTERNATIVES.



Edgar Allan Poe



Joan of Arc



Saint Paul



Sir Isaac Newton



Pythagoras



Charles Dickens

NOW INDICATED FOR CHILDREN



TOPAMAX* topiramate Tablets and Sprinkle Capsules: indicated as adjunctive therapy for the management of patients (adults and children two years and older) with epilepsy who are not satisfactorily controlled with conventional therapy. There is limited information on the use of topiramate in monotherapy at this time.¹

Efficacy in Partial Onset Seizures:

Dosage Individualized to Patient Response:^{4,5}

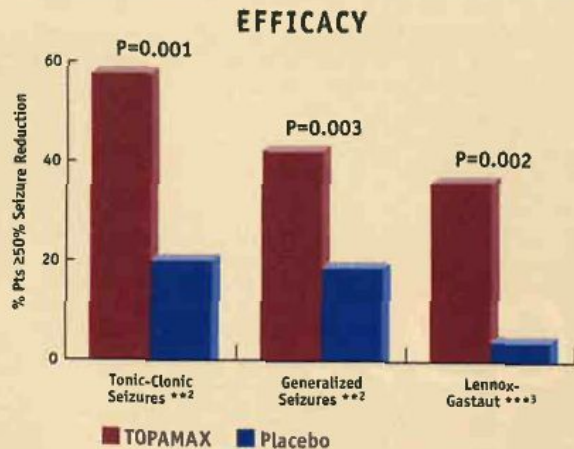
	N	≥50% Seizure Reduction	Seizure Free
Adults ^{4,c}	450	59%	19%
Children ^{4,b}	41	73%	22%

Adapted from references 4 and 5

a Open label, 20 week trial in adults with partial onset seizures. TOPAMAX administered b.i.d. as adjunctive therapy. *optimal dosage appeared to be 300-350 mg/day.*
 b Open label trial in children with partial-onset seizures following participation in a double-blind, placebo controlled trial. Reductions in seizure frequency were determined for children treated for at least 3 months. TOPAMAX administered b.i.d. as adjunctive therapy. Children received open label topiramate for a mean duration of 8 months at an average dose of 10 mg/kg/day (4-20 mg/kg/day).
 For recommended dose refer to TOPAMAX* Prescribing Information.

Improved control over a wide range of seizure types:

- With additional data demonstrating efficacy as adjunctive therapy from randomized, double-blind, placebo-controlled trials in adults and a small number of children for:
- **Primary Generalized Tonic-Clonic Seizures¹**
- **Seizures associated with Lennox-Gastaut syndrome¹**



Adapted from references 2 and 3

^{**} 20 week double-blind treatment phase (8 week baseline and a 12 week treatment period) with either TOPAMAX (n=39, including 8 children ≤ 16 yrs) b.i.d. as adjunctive therapy or placebo (n=41). TOPAMAX was titrated to target doses of approximately 6 mg/kg/day.

^{***} Drop attacks and tonic-clonic seizures: 11 week double blind treatment phase with either TOPAMAX (n=48) b.i.d. as adjunctive therapy or placebo (n=50); patient mean age 11.2 yrs. TOPAMAX was titrated to a target dose of approximately 6 mg/kg/day.

An appropriate first choice adjunctive therapy for many of your patients:

Favourable Side-effect Profile:

- Like most antiepileptic drugs, the most common side effects are CNS related^{†,1,6}:
- Usually mild to moderate occurring early in therapy and transient^{1,6}
- If encountered:
 Consider reducing the TOPAMAX dosage, rate of titration, and/or the concomitant AED dosage⁸
- In children, there were no discontinuations due to adverse events at 5 to 9 mg/kg/day in the controlled clinical trials¹

Safety Considerations:

- No evidence to date of a proven association of TOPAMAX usage and the following: life threatening rash, permanent visual field constriction or polycystic ovary disease^{1,c}
- Weight loss

Adults: Modest weight loss may be sustained

≤ 12 months with the greatest weight loss occurring between 3 and 6 months and peaking at 9 months.⁷

Pediatrics: Of those pediatric subjects treated in clinical trials for at least a year who experienced weight loss, 96% showed a resumption of weight gain within the period tested.¹

Convenient BID dosing¹

Now available in a convenient 15 mg and 25 mg Sprinkle Capsule formulation¹:

Swallow whole or sprinkle on food
 Bioequivalent to TOPAMAX Tablets

[†] The long term effects of weight loss in pediatric patients is not known.

^{††} CNS adverse events: Somnolence (30.1%), dizziness (28.3%), ataxia (21.2%), speech disorders (16.8%), psychomotor slowing (16.8%), nystagmus (15.0%), paresthesia (15.0%), nervousness (15.9%), difficulty with concentration/attention (8.0%), confusion (9.7%), depression (8.0%), anorexia (5.3%), language problems (6.2%), and mood problems (3.5%)¹. In an audit of 1446 adults and 303 children there appeared to be a similar pattern of adverse events.¹

Please refer to the TOPAMAX Prescribing Information for complete prescribing details.

^c Data on file JANSEN-ORTHO Inc May 1999

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JATX991005A

**TABLETS NOW
 ON FORMULARY[‡]**

[‡] Limited use benefit—Ontario, Nova Scotia, New Brunswick, PEI.
 Full Benefit—Quebec, Saskatchewan, British Columbia, Alberta, Manitoba.



TOPAMAX[®]
 topiramate

Helping patients with epilepsy make more of their lives

25 Years Ago in the Canadian Journal of Neurological Sciences

KINDLING A SYMPOSIUM ON BASIC RESEARCH IN NEUROSCIENCE

May 16-17 1975

Health Sciences Centre Hospital
University of British Columbia, Vancouver, Canada

DOES THE ENGRAM OF KINDLING MODEL THE ENGRAM OF NORMAL LONG TERM MEMORY?

G.V. Goddard and R.M. Douglas

Summary: The kindling effect is a relatively permanent alteration in brain function which results from repeated electrical or chemical stimulation and culminates in the appearance of electrographic and behavioral convulsions whenever the original stimulus is re-applied. The effect results from tetanic activation in the anterior cortex, limbic system or associated areas of the adult mammalian brain, and the lasting alterations are transynaptic and quite widespread. They are based in part on synaptic facilitation, and they are accompanied by specific alterations in normal behavior. In these and other respects, kindling is analogous to normal learning. It is possible that the stored component (engram) of kindling involves the same physiological mechanism as the engram of normal long term memory. Morphological study of identified synapses has not provided conclusive evidence for an anatomical substrate of kindling, but physiological experiments demonstrate a lasting potentiation of the excitatory post-synaptic potential.

Can. J. Neurol. Sci. 1975;2:(Suppl 2):385

KINDLING, UNIT DISCHARGE PATTERNS AND NEURAL PLASTICITY

Ronald Racine, Larry Tuff and Josef Zaide

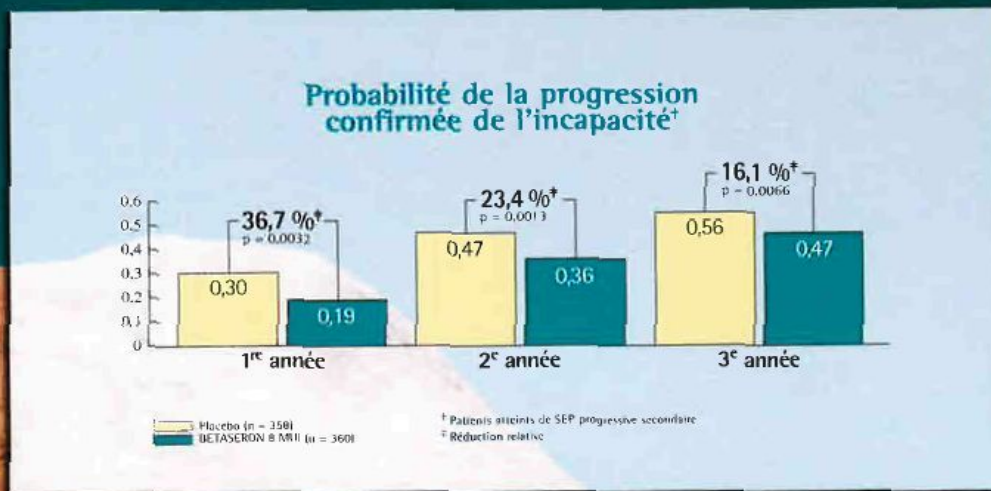
Summary: Two approaches to the study of the kindling phenomenon were discussed: 1) an attempt to identify the pattern of neural activity required to produce the changes underlying kindling and 2) an investigation into the nature of those changes. Three experiments were reported that used the neocortical transcallosal system as a monosynaptic model system in which to study possible synaptic mechanisms of the kindling effect. Experiment I showed an increase in the transcallosal evoked potential following neocortical kindling. Experiment II showed an increase in the strength of the transcallosal evoked cell discharge following neocortical kindling. Experiment III reported the results of an histological examination of neocortical tissue in kindled and non-kindled animals using the Golgi-Cox technique. Spine density, spine dimension and branching were measured for pyramidal cell apical dendrites. No differences were found between primary and secondary (contralateral) foci or between kindled and non-kindled animals.

Can. J. Neurol. Sci. 1975;2:(Suppl 2):395



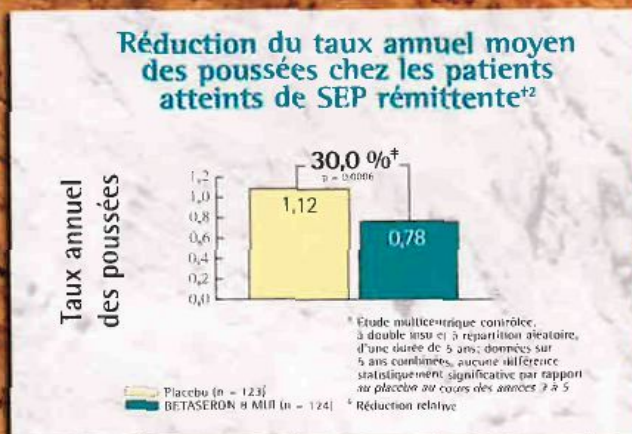
Repoussez
la menace
encore plus loin

BETASERON retarde la progression de l'incapacité¹

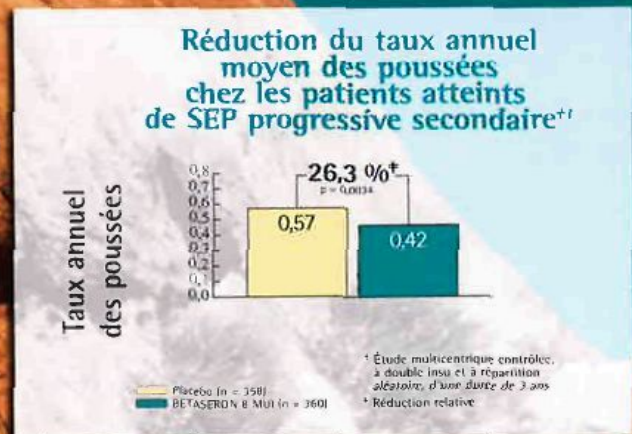


Adapté de la monographie de BETASERON, 1999

BETASERON réduit le taux de poussées dans la SEP rémittente² et dans la SEP progressive secondaire¹



Adapté des résultats de l'étude menée par le IFNB MS Study Group, 1995



Adapté de la monographie de BETASERON, 1999

Effets indésirables pouvant être pris en charge¹

Chez les patients atteints de la SEP progressive secondaire, les effets indésirables les plus fréquents de BETASERON sont : syndrome pseudo-grippal (61 %), fièvre (40 %), frissons (23 %), inflammation au point d'injection (48 %), réactions au point d'injection (46 %), myalgie (23 %), hypertonie (41 %) et éruption cutanée (20 %).

Les symptômes pseudo-grippaux et les réactions au point d'injection peuvent être pris en charge et diminuent de façon marquée avec le temps¹.

^{*} Il a été démontré que BETASERON retarde la progression de l'incapacité chez les patients atteints de SEP progressive secondaire.

L'efficacité et l'innocuité de BETASERON dans la SEP progressive primaire n'ont pas été évaluées.

On ne dispose pas de données probantes sur l'efficacité du traitement dans la SEP rémittente au-delà de deux ans.

Il y a des données sur l'efficacité et l'innocuité du traitement dans la SEP progressive secondaire au-delà de trois ans.

VEUILLEZ CONSULTER LA MONOGRAPHIE DE PRODUIT POUR OBTENIR LA LISTE COMPLÈTE DES MISES EN GARDE ET DES PRÉCAUTIONS.


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Dans la SEP rémittente et la SEP progressive secondaire



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INTERFÉRON BÉTA-1b

Dès le tout début

INDIQUÉ
dans la **SEP**
RÉMITTENTE
et **PROGRESSIVE**
SECONDAIRE

Nouveau dans le syndr



Lamotrigine, gabapentine, vigabatrine et topiramate (à distinguer des antiépileptiques standards).

¹A l'exception des absences épileptiques atypiques.

²Signification statistique non indiquée.

³Dans de rares cas, des éruptions cutanées graves, y compris le syndrome de Stevens-Johnson et l'épidermolyse nécrosante suraiguë (syndrome de Lyell), ont été signalées. Bien que la plupart des patients se soient rétablis après le retrait du médicament, certains patients ont éprouvé des séquelles irréversibles et il y a eu de rares cas de décès associés.

⁴Les effets indésirables fréquemment signalés sont la charyngite, la fièvre, les infections et les éruptions cutanées (p = non significatif).

⁵Pour obtenir des précisions sur la posologie de LAMICTAL chez l'adulte ou chez l'enfant atteints du syndrome de Lennox-Gastaut, consulter les renseignements thérapeutiques détaillés sur ce produit. La posologie de LAMICTAL comme traitement d'appoint qui a été utilisée dans les études de Molte et al. et de Mullens et al. était de 50 à 400 mg par jour, après augmentation graduelle de la dose initiale. **NE PAS DÉPASSER** la dose initiale de LAMICTAL ni l'augmentation posologique graduelle qui sont recommandées. Un ajustement plus rapide de la dose initiale a été associé à une fréquence accrue de réactions dermatologiques graves.

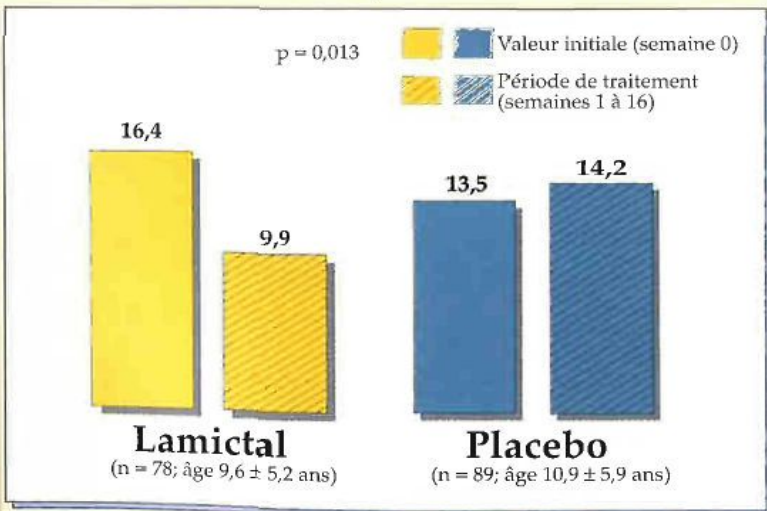
lamotrigine
Lamictal[®]

LAMICTAL est le premier et le seul parmi les nouveaux antiépileptiques* qui soit indiqué comme traitement d'appoint chez les enfants et les adultes atteints du syndrome de Lennox-Gastaut (SLG)¹. LAMICTAL est également le premier et le seul parmi les antiépileptiques récents* qui soit indiqué comme monothérapie après polythérapie chez l'adulte.

Une supériorité significative pour maîtriser les divers types de crises liées au syndrome de Lennox-Gastaut[†]

- L'adjonction de LAMICTAL réduit, de façon significative, le nombre de crises majeures, les effondrements épileptiques et les crises tonico-cloniques chez les patients atteints de SLG¹.

NOMBRE MÉDIAN DES CRISES MAJEURES/SEMAINE



Essai à double insu, à répartition aléatoire et à contrôle placebo chez des patients de 3 à 25 ans

Maintien d'un faible profil d'effets indésirables touchant le SNC chez les patients de 3 à 25 ans atteints du syndrome de Lennox-Gastaut

- Faible taux d'abandons comparativement au placebo^{1,2} : 3,8 % pour le groupe LAMICTAL (principalement reliés aux éruptions cutanées⁸) contre 7,8 % pour le groupe placebo (principalement reliés à une détérioration de la maîtrise des crises).
- Aucune différence significative dans la fréquence des effets indésirables entre LAMICTAL et le placebo, sauf pour le rhume ou des maladies virales (LAMICTAL, 5 % contre placebo, 0 %; p = 0,05)¹¹.

Amélioration de la fonction neurologique et des facultés cognitives^{2,3}

- Une plus forte proportion de patients (de 3 à 25 ans) atteints de SLG, traités à l'aide de LAMICTAL comme traitement d'appoint (n = 79) c. un placebo d'appoint (n = 90), ont connu une **amélioration cliniquement significative des symptômes neurologiques** durant la période de traitement de 16 semaines : comportement (30,4 % c. 14,4 %), parole (11,4 % c. 2,2 %) et communication non verbale (11,4 % c. 7,8 %)³.

LAMICTAL offre une plus grande maîtrise des divers types de crises liées au SLG, avec faible profil d'effets indésirables touchant le SNC. Vous pouvez aussi améliorer la fonction neurologique et les facultés cognitives de vos patients^{2,3}. Ajoutez LAMICTAL** dès que l'on soupçonne un SLG⁴.

GlaxoWellcome
 Glaxo Wellcome Inc.

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lamotrigine
Lamictal[®]
 L'avenir en tête



35th Meeting of the Canadian Congress of Neurological Sciences

Ottawa, June 13-17, 2000



PRELIMINARY PROGRAM

See www.ccns.org for full program details

Mark your calendar for Ottawa in June!

Tuesday, June 13

- Neurobiology Review Course 2000
- ALS Symposium
- Clinical Epilepsy Video Session (evening)
- Vascular Dementia (evening)

Wednesday, June 14

- Meet the Expert Breakfast - Pediatric Neurology
- Courses
 1. Evidence-based Neurology (am)
 2. Management of Disorders of the Craniocervical Junction (full day)
 3. Current Educational Issues in the Clinical Neurosciences (am)
 4. Medical Legal Issues in Child Neurology (am)
 5. Molecular Mechanisms of Epileptic Syndromes (am)
 6. Medical Ethics in Neurology (pm)
 7. Molecular Mechanisms of Neuromuscular Disease (pm)
 8. Case Studies in Neurocritical Care (Neurocritical Care Group) (pm)
 9. Epilepsy (pm)
- Welcome Reception

Thursday, June 15

- Meet the Expert Breakfast - Neurosurgery and Neurology
- Breakfast/posters/exhibits
- Plenary Session I:
The Millenium and the Future of Clinical Neuroscience
- Oral Platform Sessions
- Lunch/posters/exhibits
- Plenary Session II:
Endovascular Horizons in Cerebrovascular Disease
- Social evening

Friday, June 16

- Breakfast/posters/exhibits
- Plenary Session III: Molecular Genetics and Clinical Neuroscience
- Oral Platform Sessions
- Lunch/posters/exhibits
- Debates: Neurosurgery; Neurology

Saturday, June 17

- Child Neurology Day: Neurobehavioural Disorders
- Courses
 1. Emergent Therapies in Acute Stroke (full day)
 2. Multiple Sclerosis (am)
 3. Migraine 2000: A New Era in Migraine Therapy (pm)
- Child Neurology Dinner

For additional information contact:

The Canadian Congress of Neurological Sciences

P.O. Box 5456, Station A,

Calgary, AB Canada T2H 1X8

Tel: (403) 229-9544 Fax: (403) 229-1661

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Once-a-day Aricept[®]
improves patient function:

For a more *active* day,
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The loss of function that comes with Alzheimer's disease has a devastating effect on everyone involved: patient, caregiver and family.¹ Once-a-day Aricept[®] enhances cognition and improves patient function.^{2†} Once-a-day Aricept[®] (10 mg o.d.) has been shown to significantly improve complex Activities of Daily Living (ADL).³ A recent Canadian economic evaluation predicts that improvement in patient outcome will result in an overall healthcare cost saving.⁴ And once-a-day Aricept[®] has proven efficacy, dosing simplicity[‡] and tolerability[§] in over 129 million patient days of therapy worldwide.⁵

Once-a-day Aricept[®]. To help your Alzheimer's patients enjoy more *active* days, and look forward to a *brighter* tomorrow.

Aricept[®] is indicated for the symptomatic treatment of patients with mild-to-moderate Alzheimer's disease. Aricept[®] has not been studied in controlled clinical trials for longer than 6 months.
† Cognition measured by ADAS-cog and MMSE; function measured by CIBIC plus.
‡ For patients not responding after 4-6 weeks of therapy at 5 mg/d, a 10 mg/d dose may be considered.
§ Please see enclosed Prescribing Information before prescribing.
§ The most common side effects observed with Aricept[®] include diarrhea, muscle cramps, nausea and insomnia; these effects are usually mild and transient, resolving with continued use.

¶ In Alberta, Manitoba and Ontario. Please see individual formularies for special/exceptional/limited use drug status. For more information on coverage criteria, please call 1-800-510-6141.



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Aricept[®]
donepezil HCl 5 & 10 mg tablets

Hope for a brighter tomorrow

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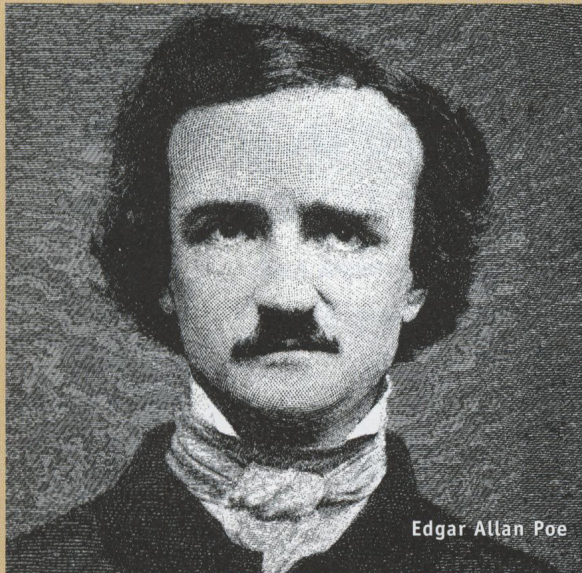
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Life is our life's work

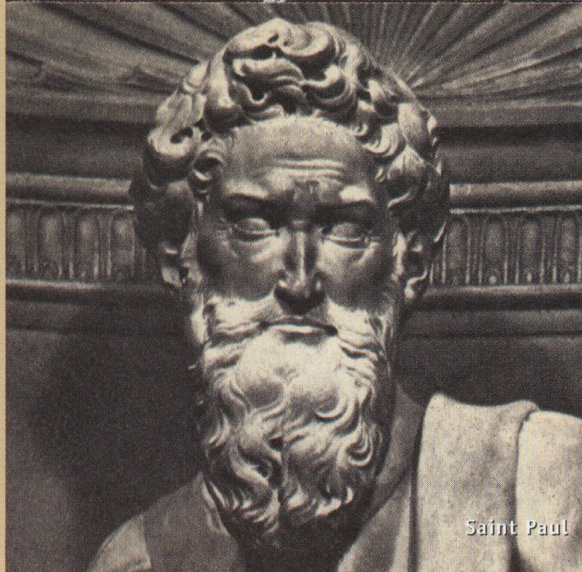
IL FUT UN TEMPS OÙ LES PERSONNES ÉPILEPTIQUES DEVAIENT DÉPLOYER DES EFFORTS CONSIDÉRABLES OU FAIRE PREUVE DE TALENTS EXTRAORDINAIRES POUR RÉUSSIR DANS LA VIE. HEUREUSEMENT, LES ENFANTS ET LES ADULTES ÉPILEPTIQUES QUE VOUS TRAITÉZ PEUVENT MAINTENANT BÉNÉFICIER D'OPTIONS MOINS ÉPROUVANTES QUE PAR LE PASSÉ.



Edgar Allan Poe



Jeanne d'Arc



Saint Paul



Sir Isaac Newton



Pythagore



Charles Dickens

MAINTENANT INDIQUÉ CHEZ L'ENFANT

Comprimés et capsules à saupoudrer [†]TOPAMAX* (topiramate) : indiqués en tant que traitement d'appoint dans la prise en charge des patients (adultes et enfants de deux ans ou plus) épileptiques dont l'état n'est pas maîtrisé de façon satisfaisante par le traitement traditionnel. Les renseignements sur l'emploi du topiramate en monothérapie sont encore limités¹.

Efficacité en cas de crises partielles initiales :

Posologie ajustée en fonction de la réponse de chaque patient^{4,5} :

	N	Réduction ≥ 50 % du nombre de crises	Absence de crises
Adultes ^{4,a}	450	59 %	19 %
Enfants ^{5,b}	41	73 %	22 %

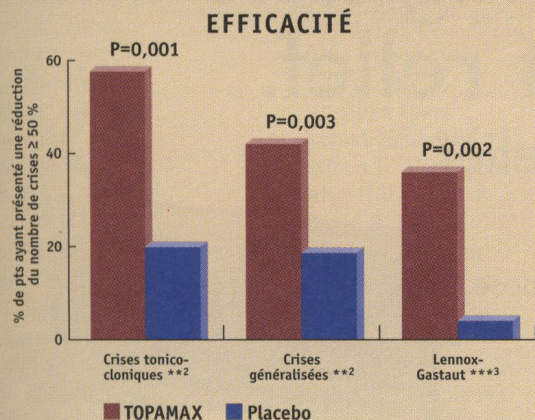
D'après les références 4 et 5

^a Étude ouverte d'une durée de 20 semaines portant sur des adultes atteints de crises partielles initiales. Administration biquotidienne de TOPAMAX en tant que traitement d'appoint. La posologie optimale semblait comprise entre 300 et 350 mg/jour.

^b Étude ouverte portant sur des enfants atteints de crises partielles initiales ayant participé à un essai à double insu contrôlé par placebo. Les réductions de la fréquence des crises ont été déterminées chez les enfants qui avaient été traités pendant au moins 3 mois. Administration biquotidienne de TOPAMAX en tant que traitement d'appoint. Les sujets ont reçu un traitement par topiramate pendant une période moyenne de 8 mois, selon une posologie moyenne de 10 mg/kg/jour (4-20 mg/kg/jour). Pour connaître les posologies recommandées, reportez-vous aux Renseignements thérapeutiques concernant TOPAMAX[†].

Meilleure maîtrise d'un grand nombre de types de crises :

- Des données complémentaires recueillies dans le cadre d'études randomisées, à double insu et contrôlées par placebo portant sur des adultes et un nombre restreint d'enfants ont en outre montré que ce médicament était efficace en tant que traitement d'appoint en cas de :
 - **crise tonico-clonique primaire généralisée¹**
 - **crise associée au syndrome de Lennox-Gastaut¹**



D'après les références 2 et 3

**Phase de traitement à double insu d'une durée de 20 semaines (données de départ recueillies pendant une période initiale de 8 semaines, et période de traitement de 12 semaines) consistant en l'administration de TOPAMAX (n = 39, y compris 8 enfants ≤ 16 ans) en tant que traitement d'appoint à raison de 2x/j, ou d'un placebo (n = 41). La posologie de TOPAMAX était ajustée jusqu'à ce qu'une dose cible d'environ 6 mg/kg/jour soit atteinte.

***Chutes brusques par déroboement des jambes et crises tonico-cloniques : phase de traitement à double insu d'une durée de 11 semaines consistant en l'administration de TOPAMAX (n = 48) à raison de 2x/j en tant que traitement d'appoint, ou d'un placebo (n = 50); âge moyen des patients : 11,2 ans. La posologie de TOPAMAX était ajustée jusqu'à ce qu'une dose cible d'environ 6 mg/kg/jour soit atteinte.

Un traitement d'appoint approprié en première intention pour nombre de vos patients :

Profil d'effets secondaires favorable :

- Comme pour la plupart des antiépileptiques, les effets secondaires le plus fréquemment signalés relèvent du SNC^{††,6} :

- Généralement légers à modérés, ils surviennent à un stade précoce du traitement et sont passagers^{1,6}

- En cas de survenue d'effets secondaires :

Envisagez de réduire la posologie de TOPAMAX, le taux d'augmentation de la posologie, et/ou la posologie de l'antiépileptique administré de façon concomitante⁸.

- Chez les enfants traités dans le cadre des essais contrôlés, on n'a signalé aucun abandon du traitement attribuable à des manifestations indésirables lorsque la posologie était de 5 à 9 mg/kg/jour¹.

Profil d'innocuité :

- Aucune donnée n'a montré, jusqu'à présent, qu'il existait un lien entre l'emploi de TOPAMAX et les affections suivantes : éruption cutanée potentiellement mortelle, rétrécissement permanent du champ visuel ou syndrome des ovaires polykystiques^{1,c}.
- Perte de poids

Adultes : une perte de poids modérée peut se produire au cours des 12 premiers mois, les pertes pondérales les plus importantes survenant entre le 3^e et le 6^e mois, avec un pic au 9^e mois⁷.

Enfants : 96 % des enfants traités dans le cadre des essais cliniques pendant au moins un an et ayant subi une perte pondérale ont repris du poids au cours de la période d'exécution des essais^{1†}.

Posologie BID commode¹

Maintenant offert sous forme de capsules à saupoudrer à 15 et 25 mg, une présentation encore plus commode¹:

La capsule peut être avalée entière ou on peut en saupoudrer le contenu sur de la nourriture

Les capsules sont bioéquivalentes aux comprimés TOPAMAX


† Les effets à long terme d'une perte pondérale n'ont pas été établis chez l'enfant.

†† Manifestations indésirables associées au SNC : Somnolence (30,1 %), étourdissements (28,3 %), ataxie (21,2 %), troubles de la parole (16,8 %), ralentissement psychomoteur (16,8 %), nystagmus (15,0 %), paresthésie (15,0 %), nervosité (15,9 %), problèmes de concentration/d'attention (8,0 %), confusion (9,7 %), dépression (8,0 %), anorexie (5,3 %), troubles du langage (6,2 %) et troubles de l'humeur (3,5 %)¹. Une analyse portant sur 1 446 adultes et 303 enfants indique que ces deux groupes semblent présenter des profils de manifestations indésirables similaires¹.

Pour obtenir des renseignements complets sur les modalités de prescription de TOPAMAX, veuillez vous reporter aux Renseignements thérapeutiques concernant ce produit.

c Données internes. JANSSEN-ORTHO Inc. Mai 1999

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**COMPRIMÉS DÉSORMAIS
INSCRITS AU FORMULAIRE[‡]**

‡ Indemnité partielle - Ontario, Nouvelle-Écosse, Nouveau-Brunswick, Î.-P.-É.
Indemnité intégrale - Québec, Saskatchewan, Colombie-Britannique, Alberta, Manitoba

 **TOPAMAX[®]**
topiramate

Pour aider les patients épileptiques à mieux profiter de la vie



Turn the agony of migraine into the beauty of relief.

Zomig® provides consistent relief.

- Rapid relief within one hour.¹
- Significant headache response* after a single 2.5 mg dose.¹
- Consistent efficacy across multiple attacks.²⁻⁴
- Effective in a wide variety of migraine subtypes.^{1†}
- Effective when taken at any time during a migraine attack.²
- Treats associated symptoms of photophobia, phonophobia and nausea.¹
- Proven safety profile in over 5,500 patients treating more than 89,000 attacks.^{5,6††}



*Improvement from severe or moderate headache to mild or no pain at two hours.

† Zomig® is indicated for the acute treatment of migraine with or without aura.

Zomig® is not intended for use prophylactically or in hemiplegic, basilar, or ophthalmoplegic migraine. Safety and efficacy have not been established for cluster headache, which is present in an older, predominantly male population.

†† The most common side effects reported with Zomig® compared to placebo were nausea (9% vs. 3.7%), head/face sensations (8.6% vs. 1.7%), dizziness (8.4% vs. 4%) and neck/throat/jaw sensations (7% vs. 3%).

Zomig® is contraindicated in patients with history, symptoms, or signs of ischemic cardiac, cerebrovascular or peripheral vascular syndromes, valvular heart disease or cardiac arrhythmias (especially tachycardias). In addition, patients with other significant underlying cardiovascular disease should not receive Zomig®. Zomig® is also contraindicated in patients with uncontrolled or severe hypertension.

Please see Product Monograph.


For more information about Zomig® please contact AstraZeneca Customer Relations by phone at 1-800-668-6000 or fax at (905) 896-4745.

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Zomig®

zolmitriptan tablets 2.5 mg

Consistent migraine relief.

AstraZeneca  (PAB)