



THE CANADIAN JOURNAL OF

Neurological Sciences

LE JOURNAL CANADIEN DES

Sciences Neurologiques

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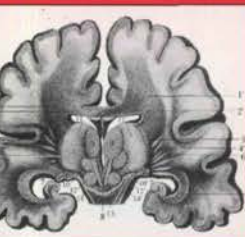
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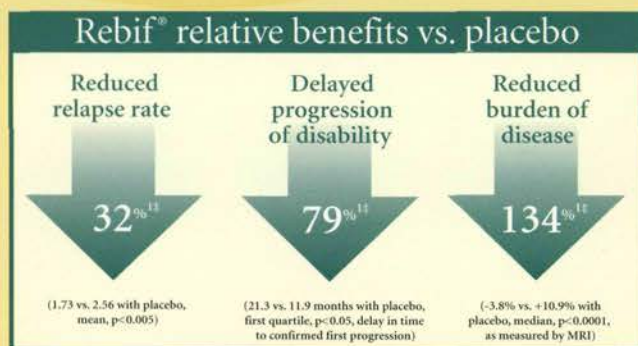
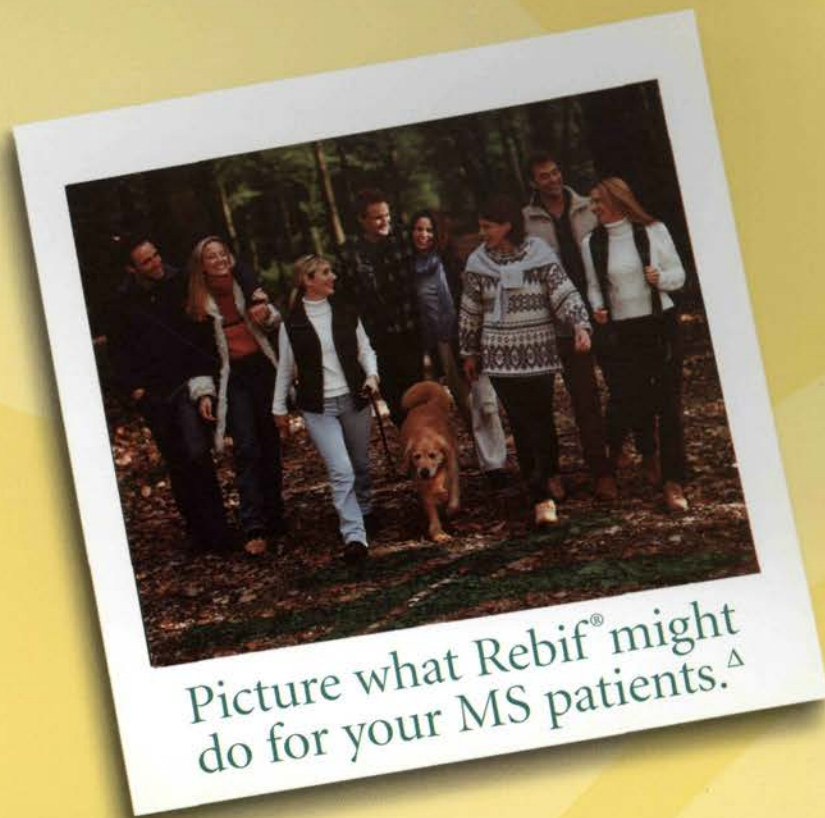
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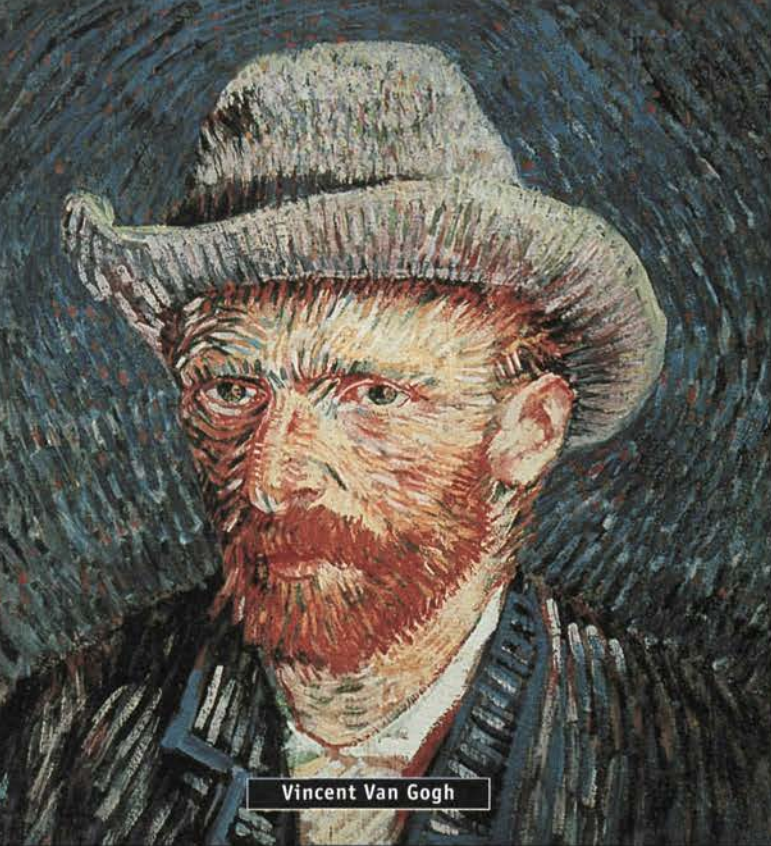


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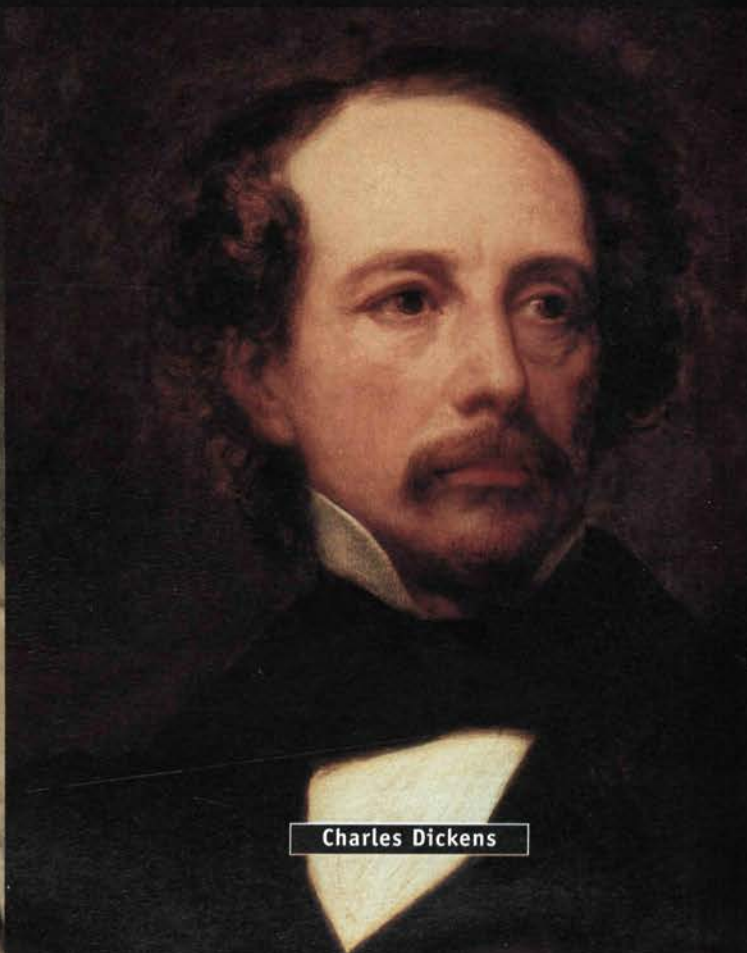


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^{††} Open label trial for children (n=72) treated for ≥ 3 months. Average dose of 10 mg/kg/day.

[§] 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%). In an audit of 1446 adults and 303 children, there appeared to be a similar pattern of adverse events.

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
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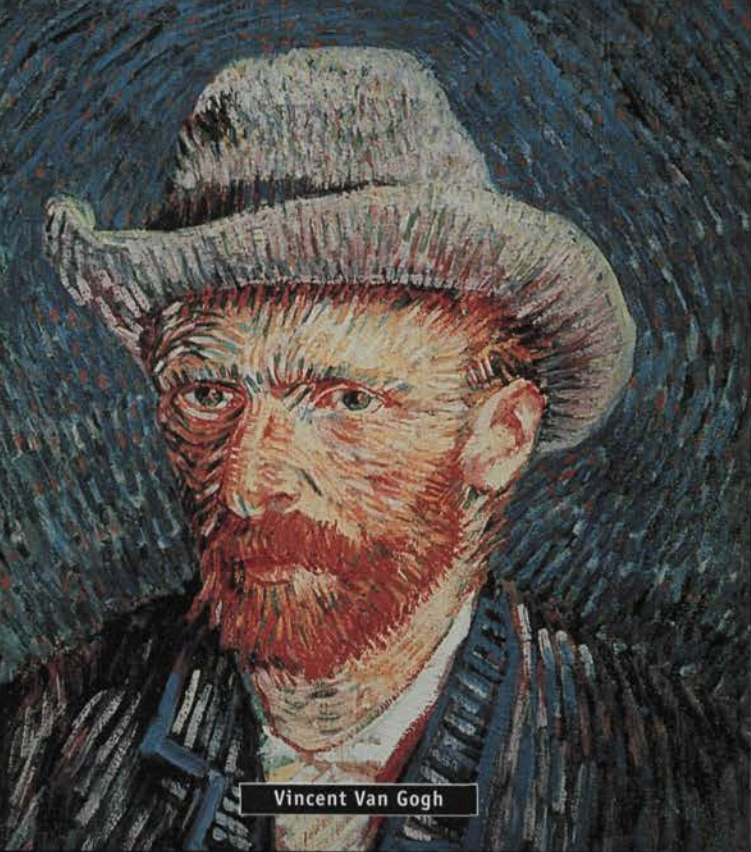
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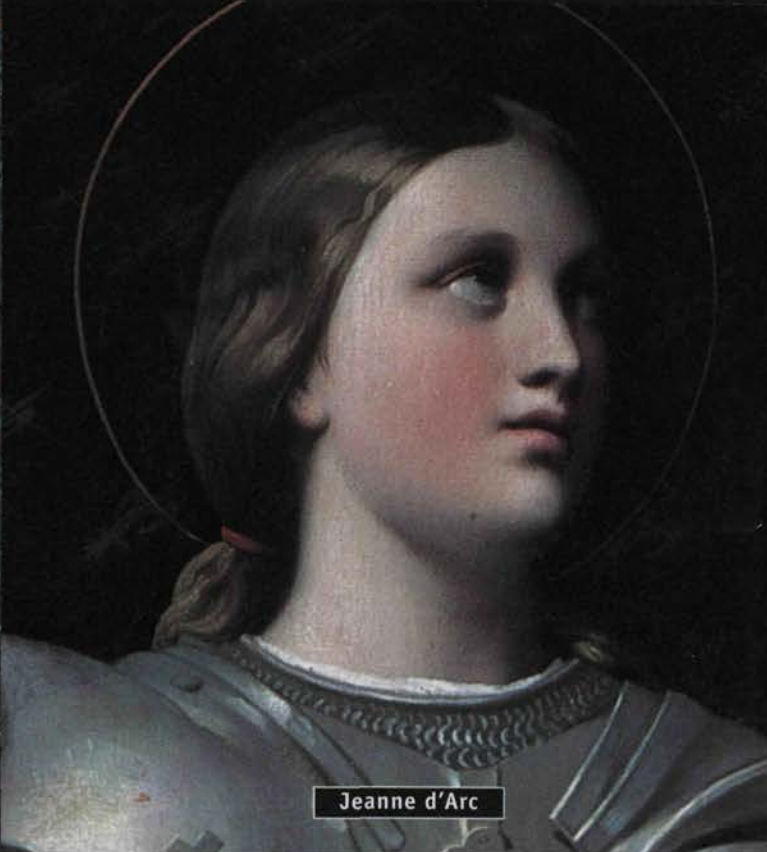
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Vincent Van Gogh

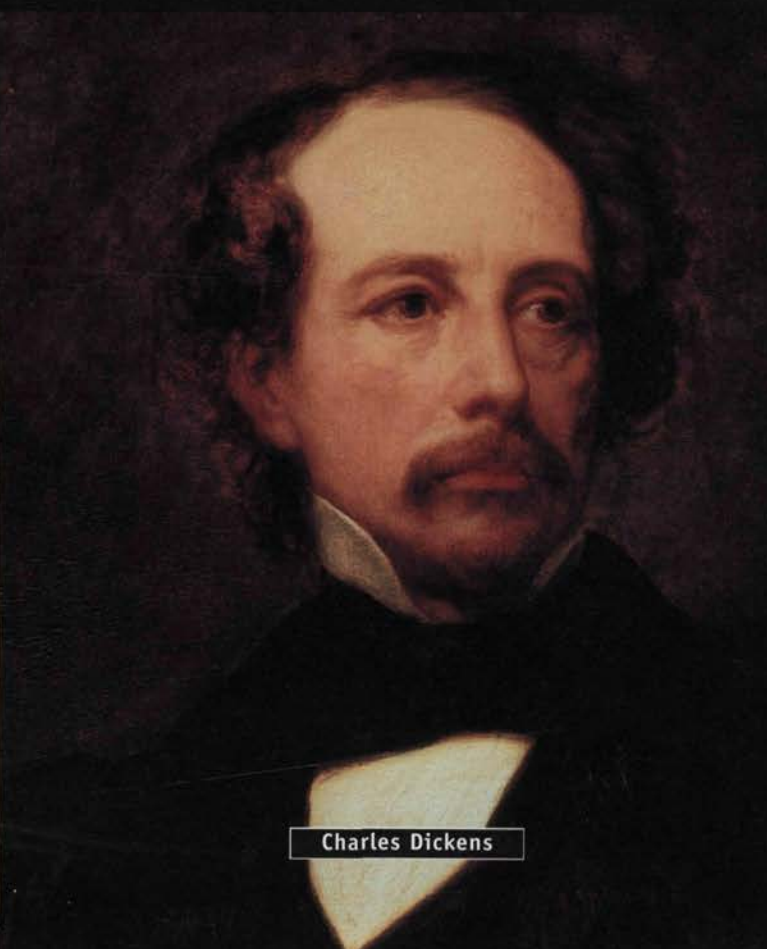


Jeanne d'Arc

**AUPARAVANT, LES PERSONNES ÉPILEPTIQUES DEVAIENT
SE MONTRER EXCEPTIONNELLES POUR RÉUSSIR.**



Sir Isaac Newton



Charles Dickens

EFFICACE CONTRE UN GRAND NOMBRE DE TYPES DE CRISES.

- TOPAMAX est efficace contre les crises partielles initiales, les crises tonico-cloniques primaires généralisées et les crises associées au syndrome de Lennox-Gastaut¹
- Des résultats souhaitables avec absence totale de crises chez 19 % des adultes¹ et 22 % des enfants¹ atteints de crises partielles initiales^{2,3}

AUCUN SIGNE D'EFFETS SECONDAIRES CAPABLES DE MENACER LE PRONOSTIC VITAL.

- Comme pour la plupart des antiépileptiques, les effets secondaires le plus fréquemment signalés relèvent du SNC et sont généralement légers à modérés et de nature passagère^{5,1}

IL EST POSSIBLE QUE LES PATIENTS ADULTES SUBISSENT UNE PERTE DE POIDS.

- 73 % (n = 52) des patients ont subi une perte de poids de 5,97 lb en moyenne (Analyse provisoire. Durée moyenne de 60 jours)⁴
- 96 % des enfants traités dans le cadre des essais cliniques pendant au moins un an et ayant subi une perte de poids ont repris du poids au cours de la période d'exécution des essais^{**1}

AUJOURD'HUI, IL Y A TOPAMAX.

UNE POSOLOGIE BIQUOTIDIENNE POUR TENIR COMPTE DU PATIENT.

- Le traitement par TOPAMAX peut être commencé et ajusté selon la réponse clinique quel que soit le traitement anticonvulsivant en cours
- Les comprimés sont inscrits au formulaire^{††}

**MAINTENANT
OFFERT EN CAPSULES
À SAUPOUDRER**



TOPAMAX^{*}
topiramate

**MAINTENANT
INDIQUÉ
CHEZ L'ENFANT**

POUR AIDER LES PATIENTS À MIEUX PROFITER DE LA VIE

Comprimés et capsules à saupoudrer ^{*}TOPAMAX^{*} (topiramate) : indiqués comme traitement adjuvant chez les patients (adultes et enfants âgés de deux ans ou plus) atteints d'épilepsie dont l'état n'est pas maîtrisé de façon satisfaisante avec le traitement traditionnel. Les renseignements sur l'emploi du topiramate en monothérapie sont encore limités¹.

[†]Une étude ouverte d'une durée de 20 semaines (n = 450 adultes). Posologie optimale : 300 à 350 mg/jour (moyenne : 288 mg/jour).

[‡]Étude ouverte portant sur des enfants (n = 72) traités pendant au moins 3 mois. Posologie moyenne : 10 mg/kg/jour.

[§]Manifestations indésirables liées au SNC : Somnolence (30,1 %), étourdissements (20,3 %), ataxie (21,2 %), troubles de la parole (16,8 %), ralentissement psychomoteur (16,8 %), nystagmus (15 %), paresthésie (15 %), nervosité (15,9 %), difficulté à se concentrer/troubles de l'attention (8 %), confusion (9,7 %), dépression (8 %), anorexie (5,3 %), problèmes de langage (6,2 %) et troubles de l'humeur (3,5 %). Une évaluation de 1 446 adultes et 303 enfants a indiqué que ces deux groupes semblent présenter des profils de manifestations indésirables similaires.

^{**}Les effets à long terme d'une perte de poids chez les enfants ne sont pas connus.

^{††}Médicament à usage limité : Ontario, Nouvelle-Écosse, Nouveau-Brunswick, 1.-P.-É. Remboursement intégral : Québec, Saskatchewan, Colombie-Britannique, Alberta, Manitoba.

Veuillez vous reporter aux Renseignements thérapeutiques sur TOPAMAX pour les détails thérapeutiques complets.

RÉFÉRENCES : 1. Monographie des comprimés et capsules à saupoudrer TOPAMAX^{*} (topiramate), 11 mai 1999. 2. Kamin M, Kraut L, Olson W. Dose optimization of topiramate as add-on therapy in adults with treatment-resistant partial-onset seizures *Neurology* 1999;52 (Suppl 2):A525-526. 3. Glauser TA, Etterman R, Wyllie E et al. Open label topiramate in paediatric partial epilepsy *Epilepsia* 1997;38 (Suppl. 3):94. 4. Rosenfeld WE et al. Topiramate and concomitant weight loss. *Epilepsia* 1997;38 (Suppl 8):98.

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25 Years Ago in the Canadian Journal of Neurological Sciences

Quebec Cooperative Study of Friedreich's Ataxia Phase One: A Prospective Survey of 50 Cases

Organized and Edited by André Barbeau

HEMODYNAMIC FINDINGS IN FRIEDREICH'S ATAXIA

M. Cote, A. Davignon, G. Elias, A. Solignac, G. Geoffroy, B. Lemieux and A. Barbeau

SUMMARY: Thirteen patients with classical Friedreich's ataxia underwent cardiac catheterization with recordings of retrograde cardiac pressures, measurements of cardiac output and calculation of the left ventricular volumes and mass. The cardiomyopathy in Friedreich's ataxia falls into the hypertrophic group of cardiomyopathies with decreased compliance of ventricular myocardium, varying degrees of concentric and asymmetric hypertrophy and outflow tract obstruction. Although there is no clear parallel between the degree of abnormal hemodynamic findings and the degree of neurological impairment, severely handicapped patients may present a diffusely hypertrophied and hypokinetic left ventricular myocardium.

Can. J. Neurol. Sci. 1976;4:333

CARDIAC ANGIOGRAPHIC FINDINGS IN FRIEDREICH'S ATAXIA

R. Guerin, G. Elias, A. Davignon, M. Cote, G. Geoffroy, B. Lemieux and A. Barbeau

SUMMARY: Angiograms of 12 patients with typical Friedreich's ataxia were analyzed. The results corroborate previous reports and justify the conclusion that the cardiomyopathy is of the hypertrophic type. In 10 of 12 cases, the hypertrophy is concentric, and nonobstructive. Less frequently (two cases), this hypertrophy is accompanied by diffuse hypokinesis and depressed ejection fraction.

Can. J. Neurol. Sci. 1976;4:337

PULMONARY FUNCTION STUDIES IN FRIEDREICH'S ATAXIA

M.A. Bureau, P. Ngassam, B. Lemieux and A. Trias

SUMMARY: Pulmonary function tests were carried out on 20 patients with Friedreich's ataxia. The lung volume, diffusing capacity, flow rate, flow volume curve and blood gases were measured. In each patient, the degree of scoliosis was measured and the pulmonary function tests were analyzed in relation to the scoliosis. A control group of 13 subjects with idiopathic scoliosis was used for comparison. In both groups, the degree of scoliosis was similar.

Can. J. Neurol. Sci. 1976;4:343



IF YOU STARTED PATIENTS ON REQUIP,
WOULD THE FUTURE LOOK DIFFERENT?

Interim 6-month results from a 5 year multicentre study show ReQuip demonstrated similar efficacy to L-dopa in the control of early[†] Parkinson's disease.^{†††} Yet ReQuip


Rethinking Parkinson's.

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 I-II ^{††} 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 I-II 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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Proven efficacy^{††} in 3 key domains – the ABCs of Alzheimer Disease

Activities of Daily Living were maintained or improved with a mean difference of more than 3 points vs. placebo on the PDS ($p < 0.05$).^{1,4}

Behaviour and other parameters of global functioning assessed on the CIBIC-Plus were significantly improved vs. placebo ($p < 0.05$).^{2,5}

Cognitive function was maintained or enhanced by a mean difference of almost 5 points vs. placebo on the ADAS-Cog ($p < 0.001$).^{3,6}

Now, EXELON can help many of your patients with Alzheimer Disease look forward to staying at home a while longer.

EXELON (rivastigmine as the hydrogen tartrate salt) is indicated for the symptomatic treatment of mild to moderate dementia of the Alzheimer type.

The most common side effects associated with EXELON therapy are generally mild and of short duration, occur mainly in the titration phase, and usually subside with continued treatment. During maintenance therapy, the most common side effects at doses of 6-12 mg/day were nausea (15%), vomiting (14%) and dizziness (10%).

EXELON has not been studied in controlled clinical trials for longer than 6 months. There is no evidence that rivastigmine alters the course of the underlying dementing process.

† Comparative clinical significance has not been established

†† Based on EXELON dosages of 6-12 mg/day

1 Double-blind, randomized, placebo-controlled, international multicentre clinical trial; n=725. PDS=Progressive Deterioration Scale.

2 Pooled results from three prospective, randomized, double-blind, placebo-controlled, international multicentre clinical trials; n=2126. CIBIC-Plus=Clinician Interview-Based Impression of Change Scale.

3 Prospective, randomized, double-blind, placebo-controlled, clinical trial; n=699. ADAS-Cog=Alzheimer Disease Assessment Scale, Cognitive Subscale.

4 Rösler M, Anand R, Cicin-Sain A, et al. *BMJ* 1999;318:633-40.

5 Schneider LS, Anand R, Farlow MR. *Int J Geriatr Psychopharm* 1998;Suppl(1):S1-S34.

6 Corey-Bloom J, Anand R, Veach J. *Int J Geriatr Psychopharm* 1998;1:55-65.

4. Exelon Product Monograph, April 13, 2000, Novartis Pharmaceuticals Canada Inc.

Product Monograph available upon request.

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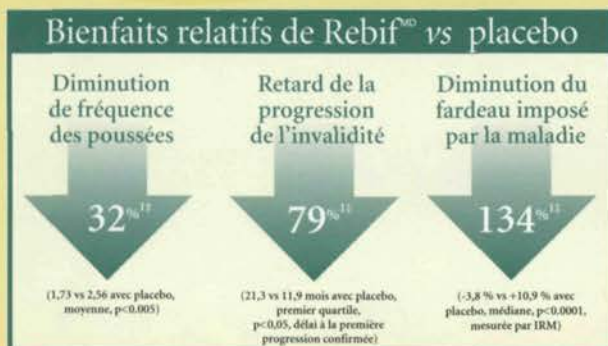


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Résultats de la dose de 44 mcg trois fois par semaine après 2 ans¹.

Au cours de deux études pivots incluant un total de 628 patients, Rebif a démontré une efficacité significative pour les trois paramètres principaux (poussées, progression de l'invalidité et IRM)^{1,2}.

Sa capacité de modifier le cours de la maladie² a fait non seulement de Rebif un bon médicament de première ligne pour la SEP rémittente, mais également le médicament dominant de sa catégorie³.

Rebif est généralement bien toléré. Les effets indésirables les plus fréquents sont souvent traitables et diminuent en fréquence et en gravité avec le temps^{2†}.

Rebif modifie l'évolution naturelle de la SEP rémittente².

Rebif^{MD} est indiqué pour le traitement de la sclérose en plaques rémittente chez des patients dont la cote EDSS se situe entre 0 et 5,0, afin de réduire le nombre et la gravité des poussées cliniques, de ralentir la progression de l'invalidité physique et de réduire les besoins de corticothérapie et le nombre de séjours à l'hôpital pour le traitement de la sclérose en plaques. Son efficacité a été confirmée au moyen d'évaluations IRM en T₁ marquées au Gd et d'évaluations IRM en T₂ (fardeau imposé par la maladie)².

† Les effets indésirables rapportés le plus souvent sont les suivants : réactions au point d'injection (toutes) (92,4 % vs 38,5 % pour le placebo), infections des voies respiratoires supérieures (74,5 % vs 85,6 % pour le placebo), céphalée (70,1 % vs 62,6 % pour le placebo), syndrome pseudo-grippal (58,7 % vs 51,3 % pour le placebo), fatigue (41,3 % vs 35,8 % pour le placebo) et fièvre (27,7 % vs 15,5 % pour le placebo). Les preuves d'innocuité et d'efficacité sont obtenues de l'étude de 2 ans seulement. Veuillez consulter la monographie du produit pour les renseignements d'ordonnance².

‡ Étude randomisée, à double insu, contrôlée par placebo. Groupe Rebif 44 mcg 3 fois/semaine (n = 184), groupe Rebif 22 mcg 3 fois/semaine (n = 189), groupe placebo (n = 187)¹.

Δ Le cas hypothétique peut ne pas représenter les résultats obtenus dans la population générale.



POUR DE MULTIPLES RAISONS.