

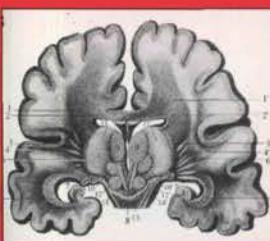


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Jules Bernard Luys

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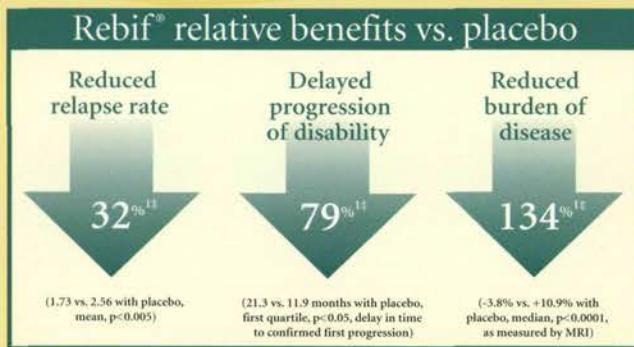
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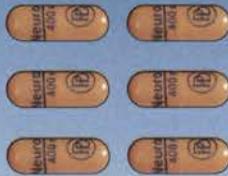
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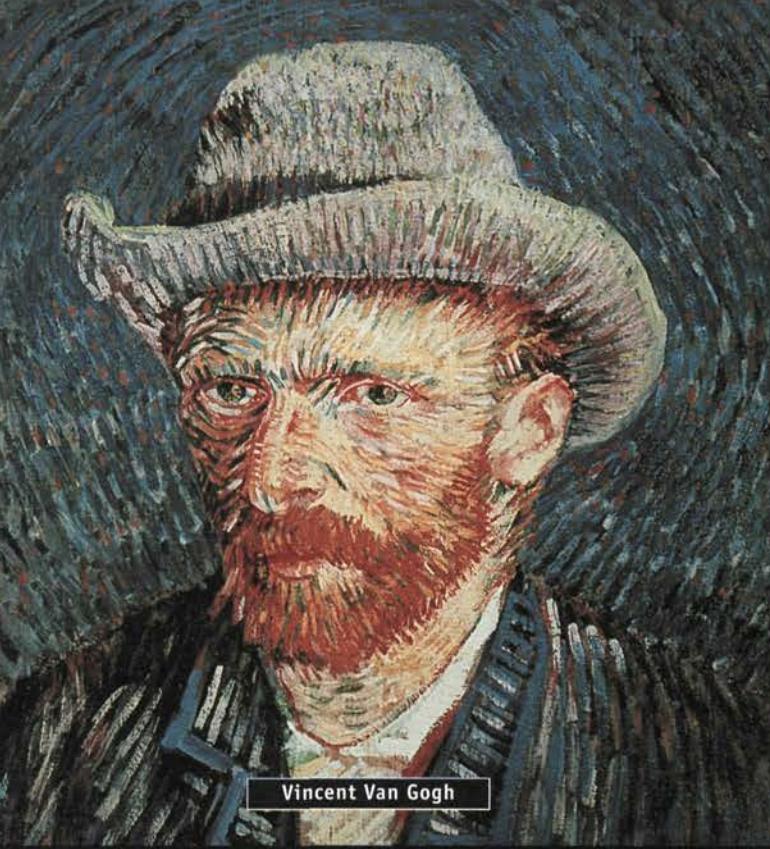


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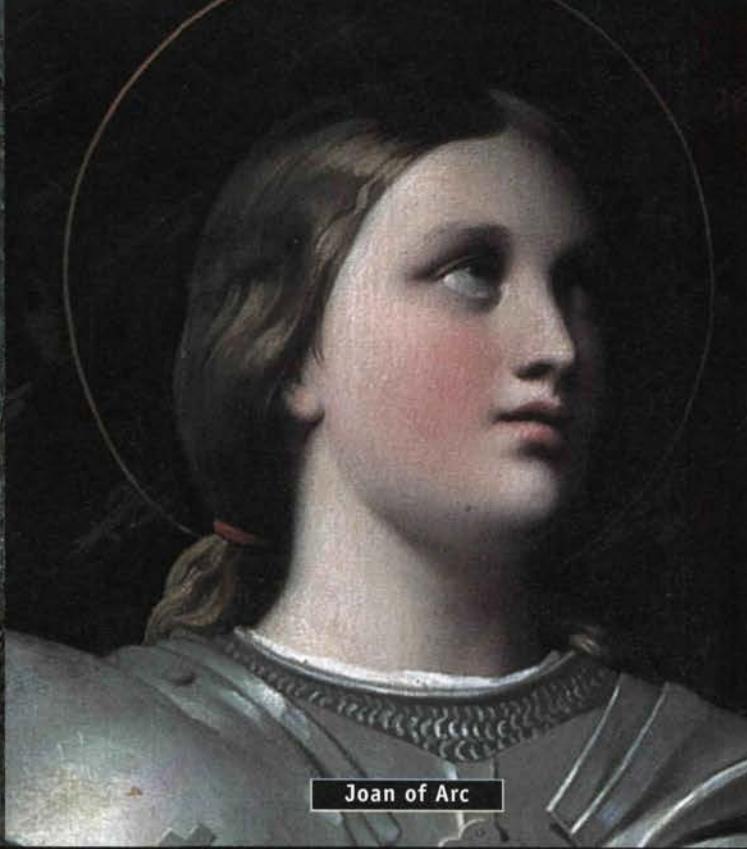
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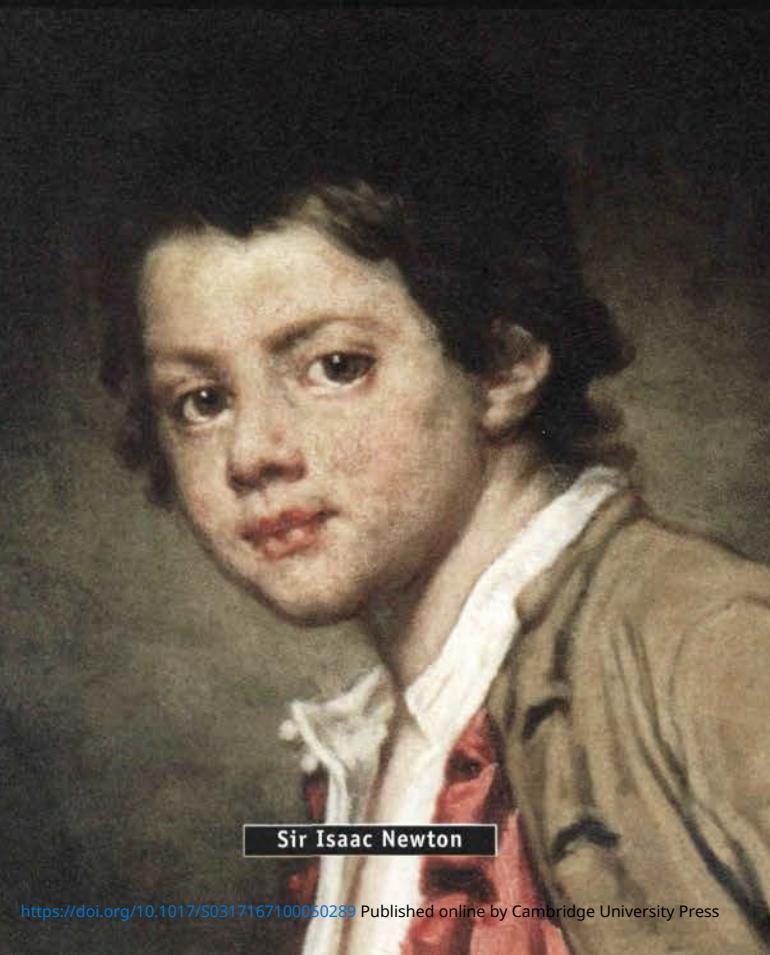


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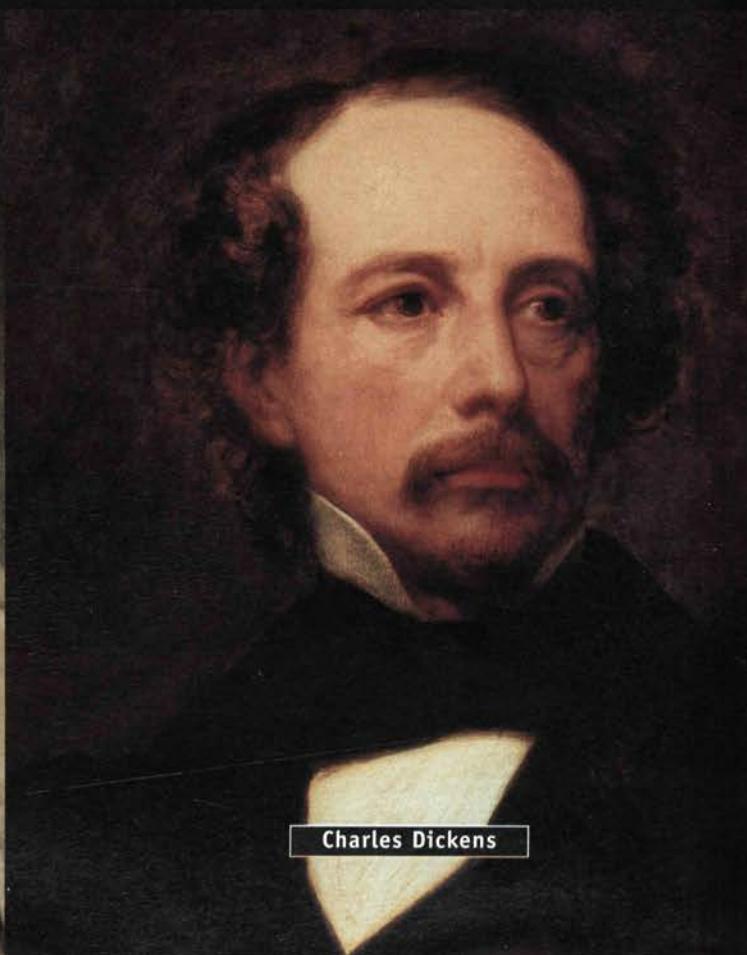


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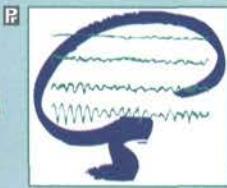
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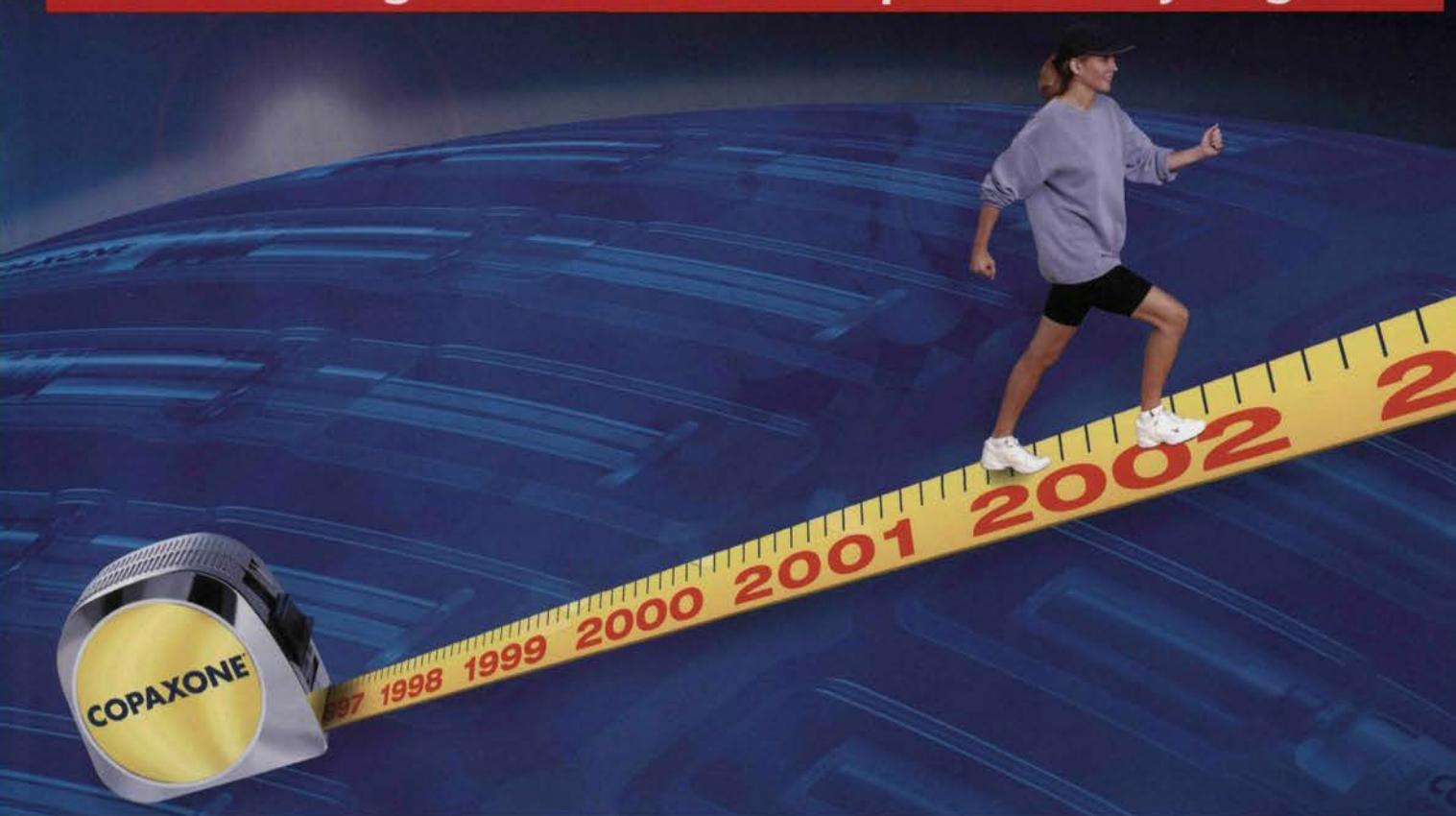
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COPAXONE® pre-filled syringes mean injection preparation time was six times faster than the conventional method (37 vs. 232 seconds; n=134, p=0.05).²

Complete

Available in packs of an entire month's supply of ready-to-use, pre-mixed, pre-filled syringes.

COPAXONE® has many clinical studies that confirm its consistent efficacy in relapse rate reduction.³⁻⁷

COPAXONE® has a long-term safety profile that has been demonstrated in clinical trials from 6 months (693 patients) to over 7 years (69 patients).⁸

COPAXONE® is indicated for Relapsing-Remitting Multiple Sclerosis. The safety and efficacy of COPAXONE® in chronic progressive MS have not been established.

The most commonly observed adverse events associated with the use of COPAXONE® in controlled trials which occurred at higher frequency than placebo were: injection site reactions, vasodilation, chest pain, asthenia, infection, pain, nausea, arthralgia, anxiety and hypertension.

*Comparative clinical significance unknown



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COPAXONE®
(glatiramer acetate injection)
Efficacy backed by evidence.



Once-a-day Aricept®

donepezil HCl 5 & 10 mg tablets

PHARMACOLOGIC CLASSIFICATION Cholinesterase Inhibitor **ACTION AND CLINICAL PHARMACOLOGY** ARICEPT (donepezil hydrochloride) is a piperidine-based, reversible inhibitor of the enzyme acetylcholinesterase. A consistent pathological change in Alzheimer's disease is the degeneration of cholinergic neuronal pathways that project from the basal forebrain to the cerebral cortex and hippocampus. The resulting hypofunction of these pathways is thought to account for some of the clinical manifestations of dementia. Donepezil is postulated to exert its therapeutic effect by enhancing cholinergic function. This is accomplished by increasing the concentration of acetylcholine (ACh) through reversible inhibition of its hydrolysis by acetylcholinesterase (AChE). If the proposed mechanism of action is correct, donepezil's effect may lessen as the disease process advances and fewer cholinergic neurons remain functionally intact. There is no evidence that donepezil alters the course of the underlying dementia process.

INDICATIONS AND CLINICAL USE ARICEPT (donepezil hydrochloride) is indicated for the symptomatic treatment of patients with mild-to-moderate dementia of the Alzheimer's type. ARICEPT tablets should only be prescribed by (or following consultation with) clinicians who are experienced in the diagnosis and management of Alzheimer's disease.

CONTRAINDICATIONS ARICEPT (donepezil hydrochloride) is contraindicated in patients known hypersensitivity to donepezil hydrochloride or to piperidine derivatives.

WARNINGS **Anesthesia:** ARICEPT (donepezil hydrochloride), as a cholinesterase inhibitor, is likely to exaggerate succinylcholine-type muscle relaxation during anesthesia.

Neurological Conditions: Seizures: Some cases of seizures have been reported with the use of ARICEPT in clinical trials or from spontaneous Adverse Reaction reporting.

Cholinomimetics can cause a reduction of seizure threshold, increasing the risk of seizures. However, seizure activity may also be a manifestation of Alzheimer's disease. The risk/benefit of ARICEPT treatment for patients with a history of seizure disorder must therefore be carefully evaluated. ARICEPT has not been studied in patients with moderately severe or severe Alzheimer's disease, non-Alzheimer dementias or individuals with Parkinsonian features. The efficacy and safety of ARICEPT in these patient populations is unknown.

Pulmonary Conditions: Because of their cholinomimetic action, cholinesterase inhibitors should be prescribed with care to patients with a history of asthma or obstructive pulmonary disease. ARICEPT has not been studied in patients under treatment for these conditions and should therefore be used with particular caution in such patients.

Cardiovascular: Because of their pharmacological action, cholinesterase inhibitors may have vagotonic effects on heart rate (e.g., bradycardia). The potential for this action may be particularly important to patients with "sick sinus syndrome" or other supraventricular cardiac conduction conditions. In clinical trials, most patients with serious cardiovascular conditions were excluded. Patients such as those with controlled hypertension (DBP<95 mmHg), right bundle branch block, and pacemakers were included. Therefore, caution should be taken in treating patients with active coronary artery disease and congestive heart failure. Syncope episodes have been reported in association with the use of ARICEPT. It is recommended that ARICEPT should not be used in patients with cardiac conduction abnormalities (except for right bundle branch block) including "sick sinus syndrome" and those with unexplained syncope episodes.

Gastrointestinal: Through their primary action, cholinesterase inhibitors may be expected to increase gastric acid secretion due to increased cholinergic activity. Therefore, patients at increased risk for developing ulcers, e.g., those with a history of ulcer disease or those receiving concurrent nonsteroidal anti-inflammatory drugs (NSAIDs) including high doses of acetylsalicylic acid (ASA), should be monitored for symptoms of active or occult gastrointestinal bleeding. Clinical studies of ARICEPT have shown no increase relative to placebo in the incidence of either peptic ulcer disease or gastrointestinal bleeding. (See ADVERSE REACTIONS Section)

ARICEPT: As a predictable consequence of its pharmacological properties, has been shown to produce, in controlled clinical trials in patients with Alzheimer's disease, diarrhea, nausea and vomiting. These effects, when they occur, appear more frequently with the 10 mg dose than with the 5 mg dose. In most cases, these effects have usually been mild and transient, sometimes lasting one to three weeks and have resolved during continued use of ARICEPT. (See ADVERSE REACTIONS Section)

Treatment with the 5 mg/day dose for 4-6 weeks prior to increasing the dose to 10 mg/day is associated with a lower incidence of gastrointestinal intolerance.

Genitourinary: Although not observed in clinical trials of ARICEPT, cholinomimetics may cause bladder outlet obstruction.

PRECAUTIONS Concomitant Use with other Drugs: Use with Anticholinergics: Because of their mechanism of action, cholinesterase inhibitors have the potential to interfere with the activity of anticholinergic medications.

Use with Cholinomimetics and other Cholinesterase Inhibitors: A synergistic effect may be expected when cholinesterase inhibitors are given concurrently with succinylcholine, certain neuromuscular blocking agents or cholinergic agonists such as bethanechol.

Use with other Psychoactive Drugs: Few patients in controlled clinical trials received neuroleptics, antidepressants or anticonvulsants.

There is thus limited information concerning the interaction of ARICEPT with these drugs.

Use in Patients ≥65 Years Old: In controlled clinical studies with 5 and 10 mg of ARICEPT, 536 patients were between the ages of 65 to 84, and 37 patients were aged 85 years or older. In Alzheimer's disease patients, nausea, diarrhea, vomiting, insomnia, fatigue and anorexia increased with dose and age and the incidence appeared to be greater in female patients. Since cholinesterase inhibitors as well as Alzheimer's disease can be associated with significant weight loss, caution is advised regarding the use of ARICEPT in low body weight elderly patients, especially in those >85 years old.

Use in Elderly Patients with Comorbid Disease: There is limited safety information for ARICEPT in patients with mild-to-moderate Alzheimer's disease and significant comorbidity. The use of ARICEPT in Alzheimer's disease patients with chronic illnesses common among the geriatric population, should be considered only after careful risk/benefit assessment and include close monitoring for adverse events.

Caution is advised regarding the use of ARICEPT doses above 5 mg in this patient population.

Renally and Hepatically Impaired: There is limited information regarding the pharmacokinetics of ARICEPT in renally and hepatically impaired Alzheimer's disease patients.

Close monitoring for adverse effects in Alzheimer's disease patients with renal or hepatic disease being treated with ARICEPT is therefore recommended.

Drug-Drug Interactions: Pharmacokinetic studies, limited to short-term, single-dose studies in young subjects evaluated the potential of ARICEPT for interaction with theophylline, cimetidine, warfarin and digoxin administration. No significant effects on the pharmacokinetics of these drugs were observed. Similar studies in elderly patients were not done.

Drugs Highly Bound to Plasma Proteins: Drug displacement studies have been performed in vitro between donepezil, a highly bound drug (95%) and other drugs such as furosemide, digoxin and warfarin. Donepezil at concentrations of 0.3-10 ng/ml did not affect the binding of furosemide (5 µg/mL), digoxin (2 ng/mL) and warfarin (3 µg/mL) to human albumin. Similarly, the binding of donepezil to human albumin was not affected by furosemide, digoxin and warfarin.

Effect of ARICEPT on the Metabolism of Other Drugs: In vitro studies show a low rate of donepezil binding to CYP 3A4 and CYP 2D6 isozymes (mean K_d about 50-130 µM), which, given the therapeutic plasma concentrations of donepezil (164 nM), indicates little likelihood of interference. In a pharmacokinetic study involving 18 healthy volunteers, the administration of ARICEPT at a dose of 5 mg/day for 7 days had no clinically significant effect on the pharmacokinetics of ketoconazole. No other clinical trials have been conducted to investigate the effect of ARICEPT on the clearance of drugs metabolized by CYP 3A4 (e.g., cisapride, terfenadine) or by CYP 2D6 (e.g., imipramine). It is not known whether ARICEPT has any potential for enzyme induction.

Effect of Other Drugs on the Metabolism of ARICEPT: Ketoconazole and quindine, inhibitors of CYP 450, 3A4 and 2D6, respectively, inhibit donepezil metabolism in vitro. In a pharmacokinetic study, 18 healthy volunteers received 5 mg/day ARICEPT together with 200 mg/day ketoconazole for 7 days. In these volunteers, mean donepezil plasma concentrations were increased by about 30-55%. Inducers of CYP 2D6 and CYP 3A4 (e.g., phenytoin, carbamazepine, dexamethasone, rifampin and phenobarbital) could increase the rate of elimination of ARICEPT. Pharmacokinetic studies demonstrated that the metabolism of ARICEPT is not significantly affected by concurrent administration of digoxin or cimetidine.

Use in Pregnancy and Nursing Mothers: The safety of ARICEPT during pregnancy and lactation has not been established and therefore, it should not be used in women of childbearing potential or in nursing mothers unless, in the opinion of the physician, the potential benefits to the patient outweigh the possible hazards to the fetus or the infant. Teratology studies conducted in pregnant rats at doses of up to 16 mg/kg/day and in pregnant rabbits at doses of up to 10 mg/kg/day did not disclose any evidence for a teratogenic potential of ARICEPT.

Pediatric Use: There are no adequate and well-controlled trials to document the safety and efficacy of ARICEPT in any illness occurring in children. Therefore, ARICEPT is not recommended for use in children.

ADVERSE REACTIONS A total of 747 patients with mild-to-moderate Alzheimer's disease were treated in controlled clinical studies with ARICEPT (donepezil hydrochloride). Of these patients, 613 (82%) completed the studies. The mean duration of treatment for all ARICEPT groups was 132 days (range 1-356 days).

Adverse Events Leading to Discontinuation: The rates of discontinuation from controlled clinical trials of ARICEPT due to adverse events for the ARICEPT 5 mg/day treatment groups were comparable to those of placebo-treatment groups at approximately 5%.

The rate of discontinuation of patients who received the 10 mg/day dose after only a 1-week initial treatment with 5 mg/day ARICEPT was higher at 13%.

The most common adverse events leading to discontinuation, defined as those occurring in at least 2% of patients and at twice the incidence seen in placebo patients, are shown in Table 1.

Table 1. Most Frequent Adverse Events Leading to Withdrawal from Controlled Clinical Trials by Dose Group

Dose Group	Placebo	5 mg/day ARICEPT	10 mg/day ARICEPT
Number of Patients Randomized	355	350	315
Events% Discontinuing			
Nausea	1%	1%	3%
Diarrhea	0%	<1%	3%
Vomiting	<1%	<1%	2%

Most Frequent Adverse Clinical Events Seen in Association with the Use of ARICEPT: The most common adverse events, defined as those occurring at a frequency of at least 5% in patients receiving 10 mg/day and twice the placebo rate, are largely predicted by ARICEPT's cholinomimetic effects. These include nausea, diarrhea, insomnia, vomiting, muscle cramps, fatigue and anorexia. These adverse events were often of mild intensity and transient, resolving during continued ARICEPT treatment without the need for dose modification. There is evidence to suggest that the frequency of these common adverse events may be affected by the duration of treatment with an initial 5 mg daily dose prior to increasing the dose to 10 mg/day. An open-label study was conducted with 269 patients who received placebo in the 15- and 30-week studies. These patients received a 5 mg/day dose for 6 weeks prior to initiating treatment with 10 mg/day. The rates of common adverse events were lower than those seen in controlled clinical trial patients who received 10 mg/day after only a one-week initial treatment period with a 5 mg daily dose, and were comparable to the rates noted in patients treated only with 5 mg/day. See Table 2 for a comparison of the most common adverse events following one- and six-week initial treatment periods with 5 mg/day ARICEPT.

Table 2. Comparison of Rates of Adverse Events in Patients Treated with 10 mg/day after 1 and 6 Weeks of Initial Treatment with 5 mg/day

Adverse Event	No Initial Treatment		One-Week Initial Treatment with 5 mg/day		Six-Week Initial Treatment with 5 mg/day	
	Placebo (n = 315)	5 mg/day (n = 311)	10 mg/day (n = 315)	10 mg/day (n = 269)		
Nausea	6%	5%	19%	6%		
Diarrhea	5%	8%	15%	9%		
Insomnia	6%	6%	14%	8%		
Fatigue	3%	4%	8%	3%		
Vomiting	3%	3%	8%	5%		
Muscle Cramps	2%	6%	8%	3%		
Anorexia	2%	3%	7%	3%		

Adverse Events Reported in Controlled Trials: The events cited reflect experience gained under closely monitored conditions of clinical trials in a highly selected patient population. In actual clinical practice or in other clinical trials, these frequency estimates may not apply, as the conditions of use, reporting behavior and the kinds of patients treated may differ. Table 3 lists treatment-emergent signs and symptoms (TESS) that were reported in at least 2% of patients from placebo-controlled clinical trials who received ARICEPT and for which the rate of occurrence was greater for ARICEPT than placebo-assigned patients. In general, adverse events occurred more frequently in female patients and with advancing age.

Table 3. Adverse Events Reported in Controlled Clinical Trials in at Least 2% of Patients Receiving ARICEPT and at a Higher Frequency than Placebo-Treated Patients

Body System/ Adverse Events	Placebo n = 355	ARICEPT n = 747	Body System/ Adverse Events	Placebo n = 355	ARICEPT n = 747
Percent of Patients with any Adverse Event	72	74	Metabolic and Nutritional		
Body as a Whole			Weight Decrease	1	3
Headache	9	10	Musculoskeletal System		
Pain, various locations	8	9	Muscle Cramps	2	6
Accident	6	7	Arthritis	1	2
Fatigue	3	5	Nervous System		
Cardiovascular System			Insomnia	6	9
Syncope	1	2	Dizziness	6	8
Digestive System			Depression	<1	3
Nausea	6	11	Abnormal Dreams	0	3
Diarrhea	5	10	Somnolence	<1	2
Vomiting	3	5	Urogenital		
Anorexia	2	4	Frequent Urination	1	2
Hemic and Lymphatic Systems					
Echymosis	3	4			

Other Adverse Events Observed During Clinical Trials: During the pre-marketing phase, ARICEPT has been administered to over 1700 individuals for various lengths of time during clinical trials worldwide. Approximately 1,200 patients have been treated for at least 3 months, and more than 1,000 patients have been treated for at least 6 months. Controlled and uncontrolled trials in the United States included approximately 900 patients. In regards to the highest dose of 10 mg/day, this population includes 650 patients treated for 3 months, 475 patients treated for 6 months and 115 patients treated for over 1 year. The range of patient exposure is from 1 to 1,214 days. Treatment-emergent signs and symptoms that occurred during three placebo-controlled clinical trials and two open-label trials were recorded as adverse events by the clinical investigators using terminology of their own choosing. To provide an overall estimate of the proportion of individuals having similar types of events, the studies were integrated and the events were grouped into a smaller number of standardized categories using a modified COSTART dictionary and event frequencies were calculated across all studies. These categories are listed in the listing below. The frequencies represent the proportion of 900 patients from these trials who experienced that event while receiving ARICEPT. All adverse events occurring at least twice are included. Adverse events are listed as general, or events less likely to be drug caused. Events are classified by body system and listed as occurring in >1% and <2% of patients (i.e., in 1/100 to 2/100 patients: frequent) or in <1% of patients (i.e., in 1/100 to 1/10,000 patients: infrequent). These adverse events are not necessarily related to ARICEPT treatment and in most cases were observed at a similar frequency in placebo-treated patients in the controlled studies. **Adverse Events Occurring in >1% and <2% of Patients Receiving ARICEPT: Body as a Whole:** (>1% and <2%) headache, chest pain, toothache, (<1% and <2%) influenza, earache, face, periorbital edema, hemicrania, cellulitis, chills, generalized coldness, head, fullness, heat, pressure, lassitude. **Cardiovascular System:** (>1% and <2%) hypertension, vasodilation, atrial fibrillation, hot flashes, hypertension, (<1% angina pectoris, postural hypertension, myocardial infarction, premature ventricular contraction, arrhythmia, AV block [first degree], congestive heart failure, arteritis, bradycardia, peripheral vascular disease, supraventricular tachycardia, deep vein thrombosis. **Digestive System:** (>1% and <2%) fecal incontinence, gastrointestinal bleeding, bloating, epigastric pain, (<1%) cramp, pruritis, increased appetite, flatulence, periorbital edema, hematemesis, hemorrhoids, ileus, increased thirst, jaundice, melena, polyuria, duodenal ulcer, stomach ulcer. **Endocrine System:** (<1%) diabetes mellitus, goiter, hypothyroidism, increased creatinine kinase, hyperglycemia, weight increase, increased lactate dehydrogenase. **Musculoskeletal System:** (>1% and <2%) bone fracture, (<1%) muscle weakness, muscle fasciculation, hypertension, (<1% and <2%) tremor, irritability, paresthesia, arthralgia, ataxia, ibuprofen increased, restlessness, abnormal crying, nephritis, nephrosis, aplasia, (<1%) cerebrovascular accident, intracranial hemorrhage, transient ischemic attack, emotional lability, neuritis, coldness (localized), muscle spasms, dysphoria, gal abnormalities, hypertension, paresthesia, neuritis, neurodermatitis, numbness (localized), paroxysm, dysarthria, dysphasia, hostility, decreased libido, melancholia, emotional withdrawal, nystagmus, paresis, ptosis, blurred vision, constipation, diarrhea, rectal prolapse, tinnitus, vertigo, tachycardia, arrhythmia, palpitations, irregular heart beat, wheezing, hypoxia, pharyngitis, pleurisy, pulmonary collapse, sleep apnea, snoring. **Skin and Appendages:** (>1% and <2%) abrasion, pruritis, diaphoresis, urticaria, skin rash, night sweats, skin ulcer. **Special Senses:** (>1% and <2%) cataract, eye irritation, blurred vision, (<1%) dry eyes, glaucoma, earache, tinnitus, blepharitis, decreased hearing, retinal hemorrhage, otitis externa, otitis media, bad taste, conjunctival hemorrhage, ear buzzing, motion sickness, spots before eyes. **Urogenital System:** (>1% and <2%) urinary incontinence, nocturia, (<1%) dysuria, hematuria, urinary urgency, metrorrhagia, cystitis, enuresis, prostate hypertrophy, pyelonephritis, inability to empty bladder, breast fibroadenosis, fibrocystic breast, mastitis, pyuria, renal failure, vaginitis. **Long-Term Safety:** Patients were exposed to ARICEPT in two open-label extension studies (n=88) over two years. In one of the studies, 763 patients who previously completed one of two placebo-controlled studies of 15 or 30 weeks duration continued to receive ARICEPT and were evaluated for safety and neuropsychological evaluations for up to 152 weeks: the safety profile of ARICEPT in this extension study remained consistent with that observed in placebo-controlled trials. Following one or two years of treatment, 75% (n=58) and 45% (n=37) of these patients, respectively, were still receiving therapy (cumulative weeks 48 and 108). **Postmarketing Reports:** Voluntary reports of adverse events temporally associated with ARICEPT that have been received since market introduction that are not listed above, and that there is inadequate data to determine the causal relationship with the drug include the following: abdominal pain, agitation, cholecystitis, confusion, convulsions, hallucinations, heart block (all types), hemolytic anemia, hepatitis, hypotension, pancreatitis, and rash. **DOSAGE AND ADMINISTRATION** ARICEPT (donepezil hydrochloride) tablets should only be prescribed by (or following consultation with) clinicians who are experienced in the diagnosis and management of Alzheimer's disease. The recommended initial dose of ARICEPT is 5 mg taken once daily. Therapy with the 5 mg dose should be maintained for 4-6 weeks before considering a dose increase, in order to avoid or decrease the incidence of the most common adverse reactions to the drug (see ADVERSE REACTIONS) and to allow plasma levels to reach steady state. For those patients who do not respond adequately to the 5 mg daily dose after 4-6 weeks of treatment, the 10 mg daily dose may then be considered. The maximum recommended dose is 10 mg taken once daily. Following initiation of therapy or any dosage increase, patients should be closely monitored for adverse effects. Adverse events are more common in individuals of low body weight, in patients ≥ 85 years old and in females. It is recommended that ARICEPT be used with caution in elderly women of low body weight and that the dose should not exceed 5 mg/day. ARICEPT should be taken once daily in the evening, before retiring. For patients experiencing insomnia, ARICEPT may be taken in the morning. It may be taken with or without food. In a population of cognitively-impaired individuals, safe use of this and all other medications may require supervision. **AVAILABILITY OF DOSAGE FORMS** ARICEPT is supplied as film-coated tablets containing 5 mg (white tablets) or 10 mg (yellow tablets) of donepezil hydrochloride. The name ARICEPT and the strength are embossed on each tablet. ARICEPT is available in high density polyethylene (HDPE) bottles of 30 tablets and in blister strips boxed as 28 tablets (combination of 2 strips of 14 tablets).

Product Monograph available upon request.



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For living with Alzheimer's disease.



Aricept® is indicated for the symptomatic treatment of mild-to-moderate dementia of the Alzheimer's type, and does not change the underlying course of the disease. With appropriate dose escalation, 5 mg/d, 10 mg/d and placebo were shown to have comparable adverse events, the most common being diarrhea, nausea, insomnia, fatigue, vomiting, muscle cramps and anorexia. These are usually mild and transient, resolving with continued treatment without need for dose modification.

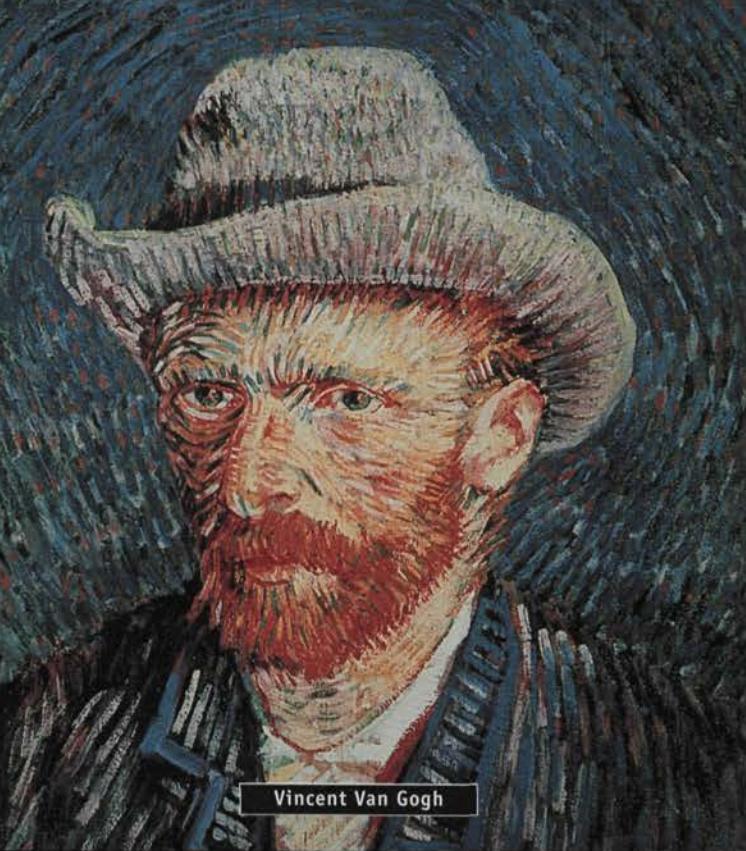
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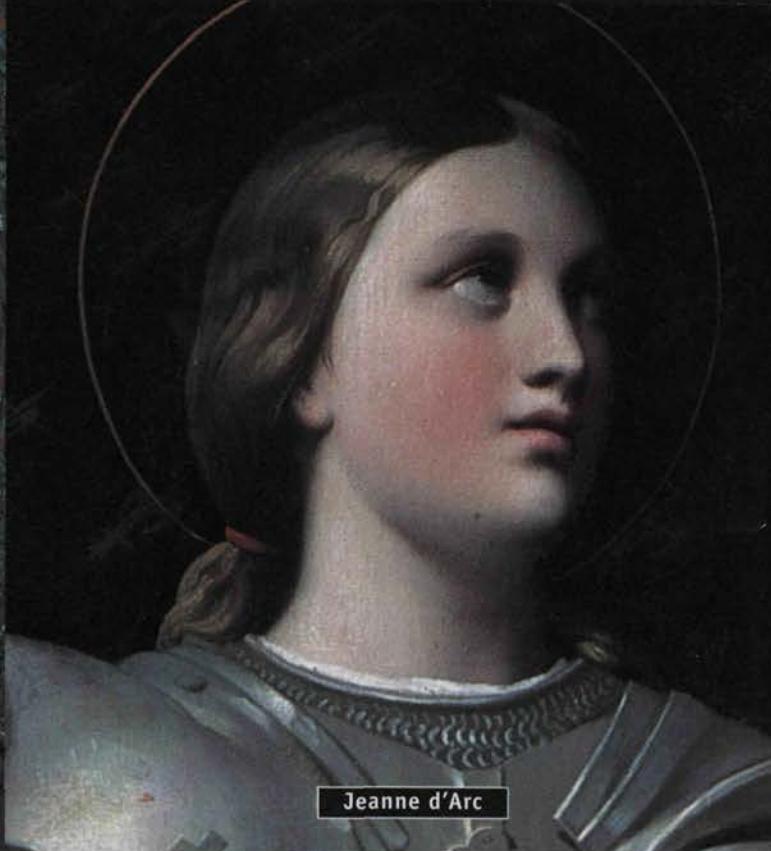
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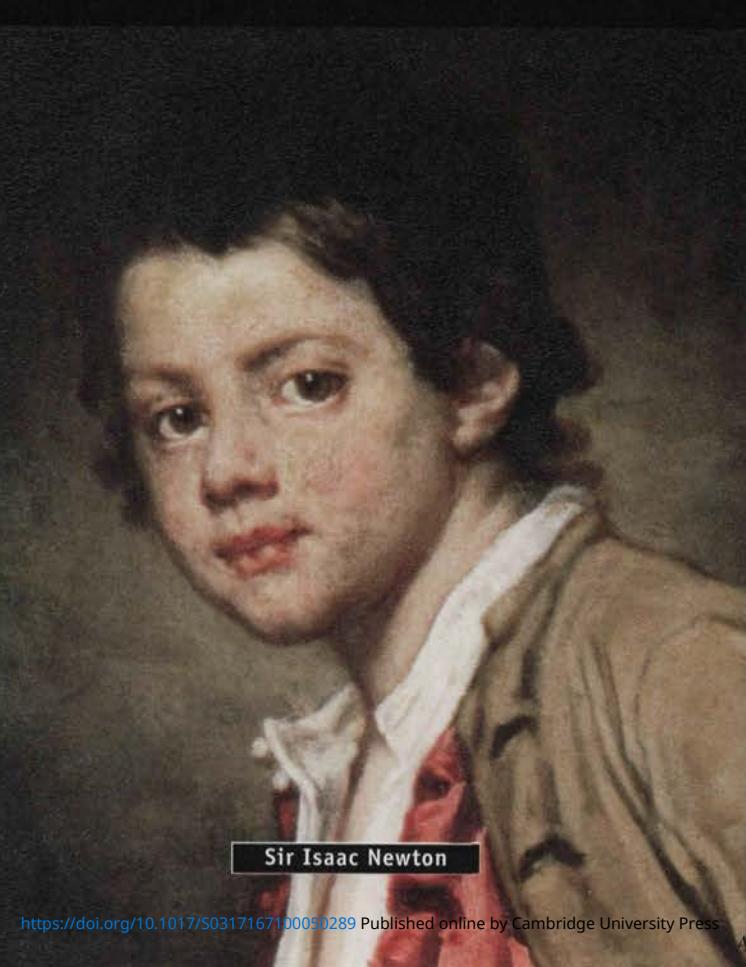


Vincent Van Gogh

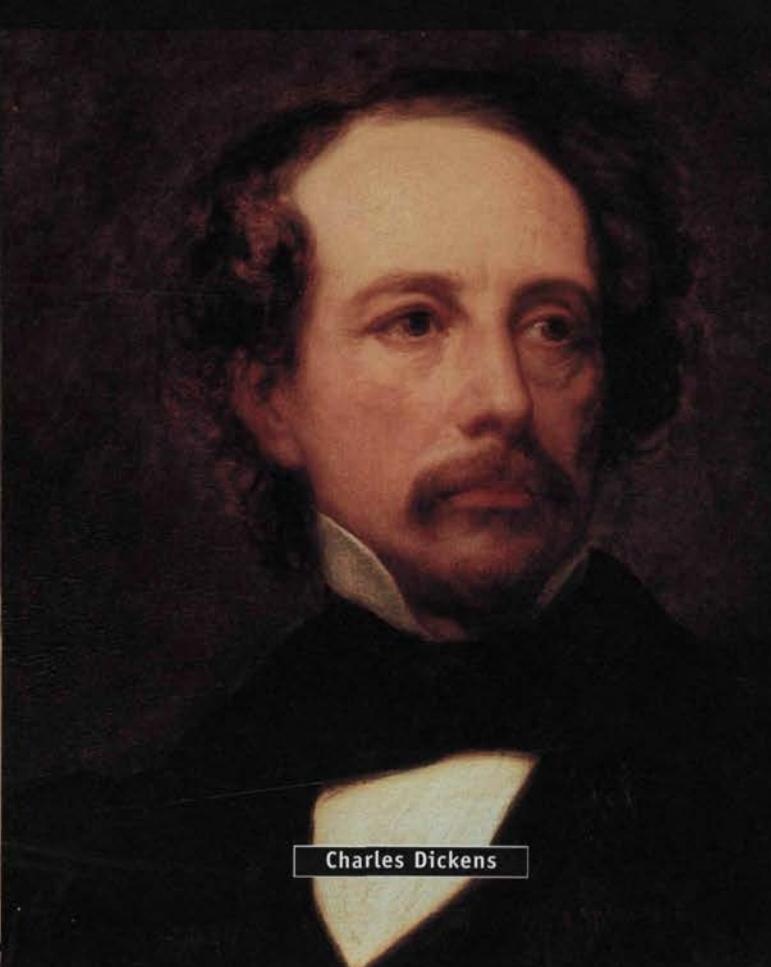


Jeanne d'Arc

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 adultes[†] et 22 % des enfants[†] 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^{§1}

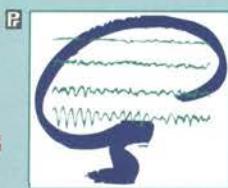
IL EST POSSIBLE QUE LES PATIENTS ADULTES SUBISSENT UNE Perte DE POIDS.

- 73 % ($n = 52$) des patients ont subi une perte de poids de 5,97 lb en moyenne (Analyse provisoire. Durée moyenne de 60 jours)^{“1}
- 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^{††}



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 adjvant 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 limités[‡].

[†]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 (28,3 %), 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 (9,6 %), 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, I.-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, Eiteman 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



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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

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has demonstrated a low propensity to produce dyskinésias.^{‡††} 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).



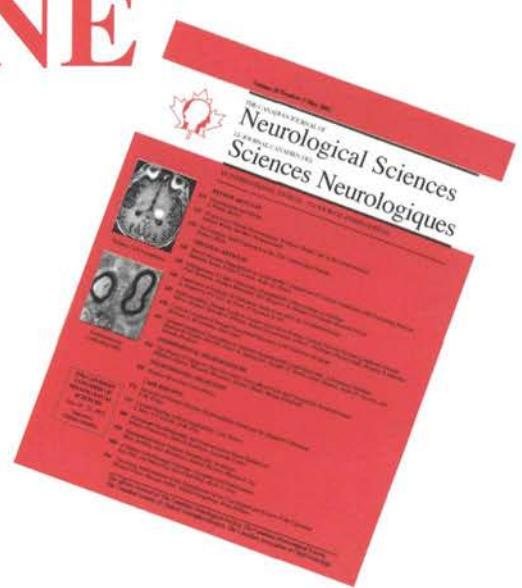
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The only dual-acting cholinesterase inhibitor[†]

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

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

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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

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

[‡] 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.

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

1. Rosler M, Anand R, Cicin-Sain A, et al. BMJ 1999;318:633-40.

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

3. Corey-Bloom J, Anand R, Veach J. Int J Ger Psychopharm 1998;15:55-65.

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

Product Monograph available upon request.

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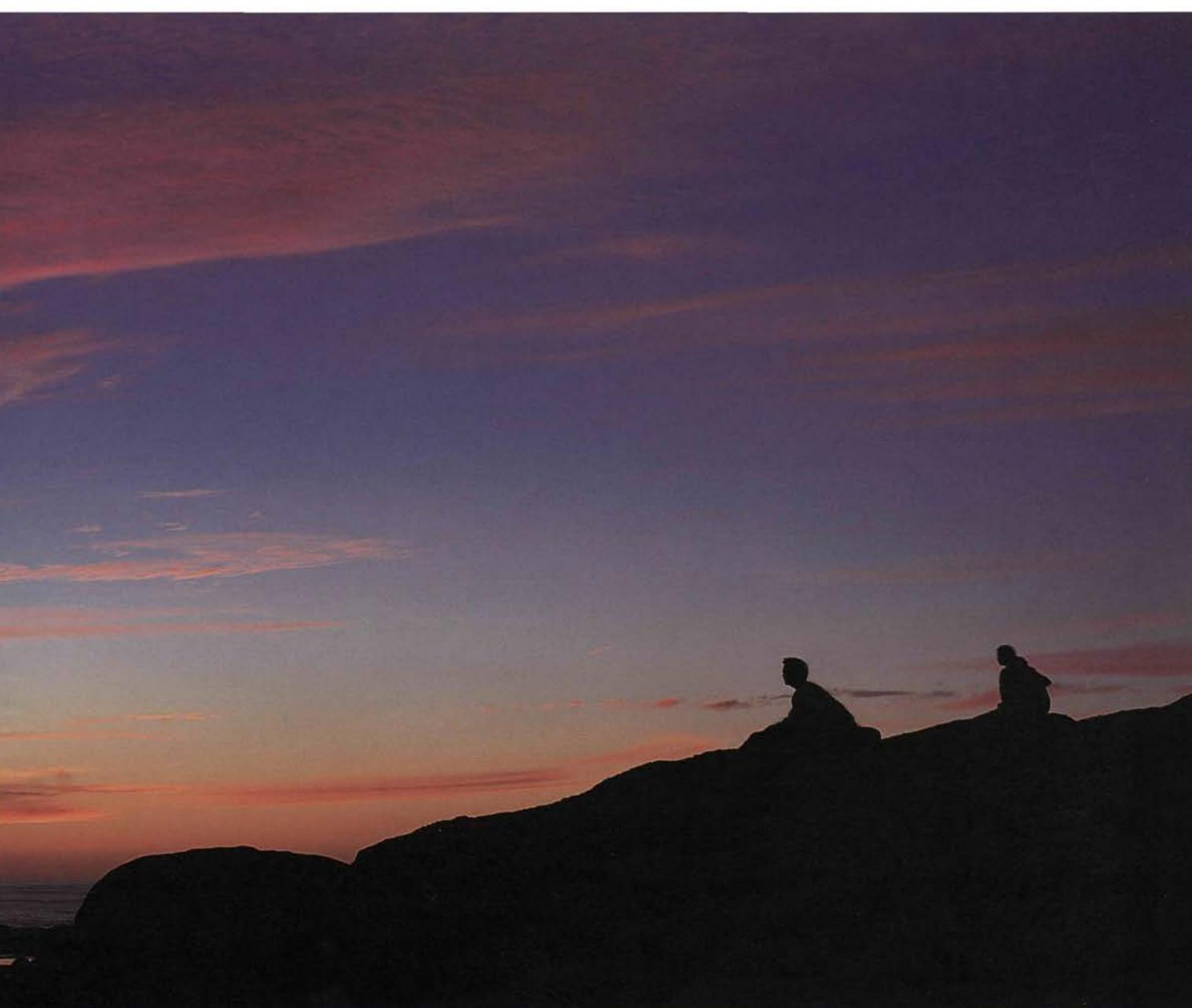
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Our goal is to improve the quality of life of individuals suffering from psychiatric and neurological disorders



Bienfaits relatifs de Rebif[®] vs placebo

Diminution de fréquence des poussées

32%^{†‡}

Retard de la progression de l'invalidité

79%^{†‡}

Diminution du fardeau imposé par la maladie

134%^{†‡}

(1,73 vs 2,56 avec placebo,
moyenne, p<0,005)

(21,3 vs 11,9 mois avec placebo,
premier quartile,
p<0,05, délai à la première
progression confirmée)

(-3,8 % vs +10,9 % avec
placebo, médiane, p<0,0001,
mesurée par IRM)

Résultats de la dose de 44 mcg trois fois par semaine après 2 ans[†].

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

Rebif modifie l'évolution naturelle de la SEP rémittente².

Rebif[®] 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.

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.



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