





#### Animal Data

When pregnant rats were given oxcarbazepine (0, 30, 300, or 1000 mg/kg/day) orally throughout the period of organogenesis, increased incidences of fetal malformations (craniofacial, cardiovascular, and skeletal) and variations were observed at the intermediate and high doses (approximately 1.2 and 4 times, respectively) than the MHD on a mg/m<sup>2</sup> basis. Increased embryofetal death and decreased fetal body weights were seen at the high doses. Doses >300 mg/kg/day were also maternally toxic (decreased body weight gain, clinical signs), but there is no evidence to suggest that teratogenicity was secondary to the maternal effects. In a study in which pregnant rabbits were orally administered MHD (0, 20, 100, or 200 mg/kg/day) during organogenesis, embryonic mortality was increased at the highest dose (1.5 times the MHD on a mg/m<sup>2</sup> basis). This dose produced only minimal maternal toxicity.

In a study in which female rats were dosed orally with oxcarbazepine (0, 25, 50, or 150 mg/kg/day) during the latter part of gestation and throughout the lactation period, a persistent reduction in body weights and altered behavior (decreased activity) were observed with offspring exposed to the highest dose (less than the MHD on a mg/m<sup>2</sup> basis). Oral administration of MHD (0, 25, 75, or 250 mg/kg/day) to rats during gestation and lactation resulted in a persistent reduction in offspring weights at the highest dose (equivalent to the MHD on a mg/m<sup>2</sup> basis).

#### 8.2 Lactation Risk Summary

Oxcarbazepine and its active metabolite (MHD) are present in human milk after oxcarbazepine administration. The effects of oxcarbazepine and its active metabolite (MHD) on the breastfed infant or on milk production are unknown. The developmental and health benefits of breastfeeding should be considered along with the mother's clinical need for oxcarbazepine and any potential adverse effects on the breastfed infant from oxcarbazepine or from the underlying maternal condition.

#### 8.3 Females and Males of Reproductive Potential Contraception

Use of oxcarbazepine with hormonal contraceptives containing ethinylloestradiol or levonorgestrel is associated with decreased plasma concentrations of these hormones and may result in a failure of the therapeutic effect of the oral contraceptive drug. Advise women of reproductive potential taking oxcarbazepine who are using a contraceptive containing ethinylloestradiol or levonorgestrel to use additional or alternative non-hormonal birth control (see Drug Interactions (7.2) and Clinical Pharmacology (12.3)).

#### 8.4 Pediatric Use

Oxcarbazepine is indicated for use as an adjunctive therapy for partial-onset seizures in patients aged 2 to 16 years. The safety and effectiveness for use as an adjunctive therapy for partial-onset seizures in pediatric patients below the age of 2 have not been established. Oxcarbazepine is also indicated as monotherapy for partial-onset seizures in patients aged 4 to 16 years. The safety and effectiveness for use as monotherapy for partial-onset seizures in pediatric patients below the age of 4 have not been established. Oxcarbazepine has been given to 986 patients between the ages of 1 month to 17 years in controlled clinical trials (522 treated as monotherapy) and over 877 patients between the ages of 1 month to 17 years in other trials (see Warnings and Precautions (5.1), Adverse Reactions (6.1), Clinical Pharmacology (12.3), and Clinical Studies (14)).

#### 8.5 Geriatric Use

There were 52 patients over age 65 in controlled clinical trials and 595 patients over the age of 65 in other trials. Following administration of single 300 mg and multiple 600 mg/day doses of oxcarbazepine to elderly volunteers 60 to 82 years of age, the maximum plasma concentrations and AUC<sub>0-∞</sub> values of MHD were 20% to 60% higher than in younger volunteers (18 to 32 years of age). Comparisons of creatinine clearance in young and elderly volunteers indicated that the difference was due to age-related reductions in creatinine clearance. Close monitoring of sodium levels is required in elderly patients at risk for hyponatremia (see Warnings and Precautions (5.1)).

#### 8.6 Renal Impairment

Dose adjustment is recommended for mildly impaired patients (CrCl <30 mL/min) (see Dosage and Administration (2.7) and Clinical Pharmacology (12.3)).

#### 9 DRUG INTERACTIONS AND DRUGS

#### 9.1 Abuse

The abuse potential of oxcarbazepine has not been evaluated in human studies.

#### 9.2 Dependence

Long-term treatment of oxcarbazepine in 4 cynomolgus monkeys demonstrated no signs of physical dependence as measured by the desire to self-administer oxcarbazepine to lever pressing activity.

#### 10 OVERDOSE

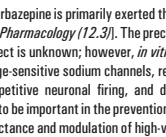
In 13 human overdose exposures, isolated cases of overdose with oxcarbazepine have been reported. The maximum dose was approximately 48,000 mg. All patients recovered with symptomatic treatment. Nausea, vomiting, somnolence, aggression, agitation, hyperreflexia, and tremor each occurred to more than one patient. Coma, confusion, state, convulsion, dysarthria, depressed level of consciousness, diplopia, dizziness, dyspareunia, dyspraxia, DTG, prostration, headache, miosis, myoclonus, decreased urine output, blurred vision also occurred.

#### 10.2 Treatment and Management

There is no specific antidote. Symptomatic and supportive treatment should be administered as appropriate. Removal of the drug by gastric lavage and/or nasogastric intubation with activated charcoal should be considered.

#### 11 DESCRIPTION

Oxcarbazepine is an antiepileptic drug available as 150 mg, 300 mg, and 600 mg film-coated tablets for oral administration. Oxcarbazepine is 10,11-dihydro-5H-dibenz[b,f]azepine-5-carboxamide, and its structural formula is:



Oxcarbazepine USP is a light orange to creamish white to off-white powder. Sparingly soluble in acetic acid, slightly soluble in chloroform and practically insoluble in water. Its molecular weight is 252.288.

Oxcarbazepine film-coated tablets contain the following inactive ingredients: colloidal silicon dioxide, croscarmellose, hypromellose, magnesium stearate, microcrystalline cellulose, black iron oxide, wax, waxes, yellow, iron oxide red, polyethylene glycol, polyvinyl alcohol, talc, and titanium dioxide.

#### 12 CLINICAL PHARMACOLOGY

The pharmacological activity of oxcarbazepine is primarily exerted through the 10-monohydroxy metabolite (MHD) (see Pharmacokinetics (12.3)). The precise mechanism by which oxcarbazepine and MHD exert their anticonvulsant effects is not known. Oxcarbazepine and MHD are thought to act through their effects on voltage-sensitive sodium channels, resulting in stabilization of hyperexcited neural membranes, inhibition of repetitive neuronal firing, and diversion of propagation of synaptic impulses. These actions are thought to be important in the prevention of seizure spread in the central nervous system. In addition, increased potassium conductance and modulation of high voltage activated calcium channels may contribute to the anticonvulsant effects of the drug. No significant interactions of oxcarbazepine or MHD with neurotransmitter or modulator receptors have been demonstrated.

#### 12.2 Pharmacodynamics

Oxcarbazepine and its active metabolite (MHD) inhibit anticonvulsant properties in animal seizure models. They protect rodents against electrically induced tonic extension seizures and, to a lesser degree, chemically induced clonic seizures, and abolished or reduced the frequency of chronically recurring focal seizures in rhesus monkeys with various models. No development of tolerance or attenuation of anticonvulsant activity was observed in the maximal electroshock test when mice and rats were treated daily for 5 days and 4 weeks, respectively, with oxcarbazepine or MHD.

#### 12.3 Pharmacokinetics

Following oral administration of oxcarbazepine tablets or suspension, oxcarbazepine is completely absorbed and extensively metabolized to its pharmacologically active 10-monohydroxy metabolite (MHD). In a mass balance study in healthy adults, approximately 90% of the administered dose was excreted as oxcarbazepine, with approximately 70% present as MHD, and the remainder attributable to other metabolites. The half-life of the parent is about 2 hours, while the half-life of MHD is about 8 hours. MHD is responsible for most antiepileptic activity.

#### 12.4 Absorption

Based on MHD concentrations, oxcarbazepine tablets and suspension were shown to have similar bioavailability. After single-dose administration of oxcarbazepine tablets to healthy male volunteers under fasted conditions, the median  $t_{max}$  was 4.5 range 1 to 13 hours. After single-dose administration of oxcarbazepine or suspension to healthy male volunteers 300 mg fasted conditions, the median  $t_{max}$  was 5 hours. Steady-state plasma concentrations of MHD are reached within 3 to 3 days in patients when oxcarbazepine is given twice a day. At steady state the pharmacokinetics of MHD are linear and show dose proportionality over the dose range of 300 to 2400 mg/day.

Food has no effect on the rate and extent of absorption of oxcarbazepine from oxcarbazepine tablets. Although not directly studied, the oral bioavailability of the oxcarbazepine suspension is unlikely to be affected under fed conditions. Therefore, oxcarbazepine tablets and suspension can be taken with or without food.

#### Distribution

The apparent volume of distribution of MHD is 4-6 L.

Approximately 40% of MHD is bound to serum proteins, predominantly  $\alpha_1$ -globulin. Binding is independent of the serum concentration within the therapeutically relevant range. Oxcarbazepine and MHD do not bind to albumin  $\alpha_1$ -acid glycoprotein.

#### Metabolism and Excretion

Oxcarbazepine is rapidly reduced by cytosolic enzymes in the liver to its 10-monohydroxy metabolite, MHD, which is primarily responsible for its antiepileptic activity. Oxcarbazepine is metabolized to MHD by conjugation with glucuronic acid. Minor amounts (4% of the dose) are excreted in the pharmacologically inactive 11,11-dihydroxy metabolite (DHD). Oxcarbazepine is cleared from the body primarily in the form of metabolites which are predominantly excreted by the kidneys. More than 95% of the dose appears in the urine, with less than 1% unchanged oxcarbazepine. Fecal excretion accounts for less than 4% of the administered dose. Approximately 80% of the dose is excreted in the urine as MHD (68%) or as unchanged MHD (12%). The inactive DHD accounts for approximately 2%, and conjugates of MHD and oxcarbazepine account for 13% of the dose. The half-life of the parent is about 2 hours, while the half-life of MHD is about 8 hours.

#### Specific Populations

#### Geriatrics

Following administration of single 300 mg and multiple 600 mg/day doses of oxcarbazepine to elderly volunteers (60 to 82 years of age) and multiple 600 mg/day doses of oxcarbazepine to elderly volunteers (18 to 32 years of age), comparisons of creatinine clearance in young and elderly volunteers indicate that the difference was due to age-related reductions in creatinine clearance.

#### Pediatrics

Weight-adjusted MHD clearance decreases as age and weight increases, approaching that of adults. The mean weight-adjusted clearance in children 2 years to <4 years of age is approximately 60% higher on average than that of adults. Therefore, MHD exposure in these children is expected to be about one-half that of adults when treated with a similar weight-adjusted dose. The mean weight-adjusted clearance in children 4 to 12 years of age is approximately 60% higher on average than that of adults. Therefore, MHD exposure in these children is expected to be about three-quarters that of adults when treated with a similar weight-adjusted dose. As weight increases, for children 13 years of age and above, the weight-adjusted MHD clearance is expected to reach that of adults.

#### Gender

No gender-related pharmacokinetic differences have been observed in children, adults, or the elderly.

#### Race

No specific studies have been conducted to assess what effect, if any, race may have on the disposition of oxcarbazepine.

#### Renal Impairment

There is a linear correlation between creatinine clearance and the renal clearance of MHD. When oxcarbazepine is administered to healthy adults 300 mg daily in healthy impaired patients (creatinine clearance <30 mL/min), the elimination half-life of MHD is prolonged to 19 hours, with a 2-fold increase in AUC (see Dosage and Administration (2.7) and Use in Specific Populations (8.6)).

#### Hepatic Impairment

The pharmacokinetics and metabolism of oxcarbazepine and MHD were evaluated in healthy volunteers and hepatically impaired subjects after a single 600 mg oral dose. MHD to moderate hepatic impairment did not affect the pharmacokinetics of oxcarbazepine and MHD (see Dosage and Administration (2.6)).

#### Pregnancy

Due to physiological changes during pregnancy, MHD plasma levels may gradually decrease throughout pregnancy (see Use in Specific Populations (8.1)).

#### Drug Interactions

#### In Vitro

Oxcarbazepine can inhibit CYP2C19 and induce CYP3A4s with potentially important effects on plasma concentrations of other drugs. In addition, several AEDs that are cytochrome P450 inducers can decrease plasma concentrations of oxcarbazepine and MHD. No autoinduction has been observed with oxcarbazepine.

Oxcarbazepine was evaluated in human liver microsomes to determine its capacity to inhibit the major cytochrome P450 enzymes responsible for the metabolism of other drugs. Results demonstrate that oxcarbazepine and its pharmacologically active 10-monohydroxy metabolite (MHD) have little or no capacity to function as inhibitors for most of the human cytochromes P450 enzymes evaluated (CYP1A2, CYP2A6, CYP2B6, CYP2D6, CYP2E1, CYP2A4, and CYP4A11) with the exception of CYP2C19 and CYP3A4. Although inhibition of CYP3A4 by oxcarbazepine and MHD did occur at high concentrations, it is not likely to be of clinical significance. The inhibition of CYP2C19 by oxcarbazepine and MHD can cause increased plasma concentrations of drugs that are metabolized by CYP2C19.

*In vitro*, the UDP-glucuronyl transferase level was increased, indicating induction of this enzyme. Increases of 27% with MHD and 47% with oxcarbazepine were observed. As MHD, the predominant plasma substrate, is only a weak inducer of UDP-glucuronyl transferase, it is unlikely to have an effect on other drugs that are mainly eliminated by conjugation through UDP-glucuronyl transferase (e.g., valproic acid, lamotrigine). In addition, oxcarbazepine and MHD induce a subgroup of the cytochrome P450 3A family (CYP3A4 and CYP3A5) responsible for the metabolism of dihydropyridine calcium antagonists, and contraceptives and cyclosporine resulting in lower plasma concentrations of these drugs.

As binding of MHD to plasma proteins is low (40%), clinically significant interactions with other drugs through competition for protein binding sites are unlikely.

#### In Vivo

#### Other Antiepileptic Drugs

Potential interactions between oxcarbazepine and other AEDs were assessed in clinical studies. The effect of these interactions on mean AUCs and  $C_{max}$  are summarized in Table 7 (see Drug Interactions (7.1, 7.2)).

Table 7: Summary of AED Interactions with Oxcarbazepine

AED Co-administered	Dose of AED (mg/day)	Dose of Oxcarbazepine (mg/day)	Influence of Oxcarbazepine on AED Concentration (Mean Change, 90% Confidence Interval)	Influence of AED on MHD Concentration (Mean Change, 90% Confidence Interval)
Carbamazepine	400	800	nc <sup>1</sup>	45% decrease (CI: -17% decrease, 57% decrease)
Phenobarbital	100-150	600-1800	14% increase (CI: 2% increase, 24% increase), nc <sup>2</sup>	25% decrease (CI: 12% decrease, 57% decrease)
Phenytoin	250-500	600-1800 > 1200-2400	nc <sup>2</sup> , 30% increase <sup>3</sup> (CI: 12% increase, 60% increase)	30% decrease (CI: 3% decrease, 48% decrease)
Valproic acid	400-2800	600-1800	nc <sup>2</sup>	18% decrease (CI: 13% decrease, 42% decrease)
Lamotrigine	200	1200	nc <sup>2</sup>	nc

nc denotes a mean change of less than 10%.

<sup>1</sup>Mean increase in adults at high oxcarbazepine doses.

#### Hormonal Contraceptives

Co-administration of oxcarbazepine with oral contraceptive has been shown to influence the plasma concentrations of the two hormonal components, ethinylloestradiol (EE) and norgestrel (MNO) (see Drug Interactions (7.2)). The mean AUC values of EE were decreased by 48% (90% CI: 22 to 95) in one study and 52% (90% CI: 30 to 82) in another study. The mean AUC values of MNO were decreased by 28% (90% CI: 20 to 45) in one study and 52% (90% CI: 42 to 62) in another study.

#### Other Drug Interactions

Calcium Antagonists: After repeated administration of oxcarbazepine, the AUC of felodipine was lowered by 23% (90% CI: 20 to 33). Verapamil produced a decrease of 20% (90% CI: 18 to 27) of the plasma levels of MHD.

Carbamazepine, phenytoin and diazepam had no effect on the pharmacokinetics of MHD. Results with warfarin show no evidence of interaction with either single or repeated doses of MHD.

#### 13 NONCLINICAL TOXICOLOGY

#### 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

**Carcinogenesis:** In 2-year carcinogenicity studies, oxcarbazepine was administered in the diet at doses of up to 100 mg/kg/day to mice and by gavage at doses of up to 250 mg/kg/day to rats, and the pharmacologically active 10-hydroxy metabolite (MHD) was administered orally at doses of up to 600 mg/kg/day to rats. In mice, a dose-related increase in the incidence of hepatocellular adenomas was observed at oxcarbazepine doses  $\geq$  70 mg/kg/day, which is less than the maximum recommended human dose (MHD) on a mg/m<sup>2</sup> basis. In rats, the incidence of hepatocellular carcinomas was increased in females treated with oxcarbazepine at doses  $\geq$  25 mg/kg/day (less than the MHD on a mg/m<sup>2</sup> basis), and incidences of hepatocellular adenoma and/or carcinomas were increased in males and females treated with MHD at doses of 600 mg/kg/day (2.4 times the MHD on a mg/m<sup>2</sup> basis) and  $\geq$  250 mg/kg/day (equivalent to the MHD on a mg/m<sup>2</sup> basis), respectively. There was an increase in the incidence of benign testicular interstitial cell tumors in rats at 250 mg/kg/day oxcarbazepine and at  $\geq$  250 mg MHD/kg/day, and an increase in the incidence of glandular cell tumors in the cervix and vagina in rats at 600 mg MHD/kg/day.

**Mutagenesis:** Oxcarbazepine increased mutation frequencies in the *in vitro* Ames test in the absence of metabolic activation. Both oxcarbazepine and MHD produced increases in chromosomal aberrations and polyploidy in the Chinese hamster ovary assay *in vitro* in the absence of metabolic activation. MHD was negative in the Ames test, and no mutagenicity or clastogenic activity was found with either oxcarbazepine or MHD in V79 Chinese hamster cells *in vitro*. Oxcarbazepine and MHD were both negative for clastogenic or aneuploid effects in micronucleus formation in *in vivo* rat bone marrow assays.

#### Impairment of Fertility

In a study in which male and female rats were administered oxcarbazepine (0, 25, 75 and 150 mg/kg/day) orally prior to and during mating and continuing to females during gestation, no adverse effects on fertility or reproductive performance were observed. The highest dose tested is less than the MHD on a mg/m<sup>2</sup> basis. In a fertility study in which rats were administered MHD (0, 50, 150, or 450 mg/kg/day) orally prior to and during mating and early pregnancy, uterine cyclicity was disrupted and numbers of corpora lutea, implantations, and live litters were reduced in females receiving the highest dose (approximately 2 times the MHD on a mg/m<sup>2</sup> basis).

#### 14 CLINICAL STUDIES

The effectiveness of oxcarbazepine as adjunctive and monotherapy for partial-onset seizures in adults, and as adjunctive therapy in children aged 2 to 16 years was established in seven multicenter, randomized, controlled trials.

The effectiveness of oxcarbazepine as monotherapy for partial-onset seizures in children aged 4 to 16 years was determined from data obtained in the studies described, as well as by pharmacokinetic/pharmacodynamic considerations.

#### 14.1 Oxcarbazepine Monotherapy Trials

Four randomized, controlled, double-blind, multicenter trials, conducted in a predominantly adult population, demonstrated the efficacy of oxcarbazepine as monotherapy. Two trials compared oxcarbazepine to placebo and 2 trials used a randomized-withdrawal design to compare high-dose (2400 mg) with a low dose (300 mg) of oxcarbazepine. After substituting oxcarbazepine 2400 mg/day for 1 or more antiepileptic drugs (AEDs), patients administered a once-a-day schedule. A fully randomized, controlled, either-blind, multicenter study, conducted in a pediatric population, failed to demonstrate a statistically significant difference between low and high dose oxcarbazepine treatment groups.

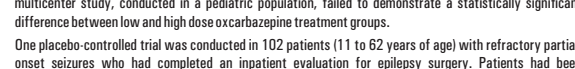
Oxcarbazepine monotherapy trial was conducted in 102 patients (11 to 62 years of age) with refractory partial-onset seizures who had completed an epilepsy evaluation for epilepsy surgery. Patients had been withdrawn from all AEDs and were required to have 2 to 10 partial-onset seizures within 48 hours prior to randomization. Patients whose randomization records were found to be oxcarbazepine given at 1500 mg/day on Day 1 and 2400 mg/day thereafter for an additional 9 days, or until 1 of the following 4 exit criteria occurred: 1) a double-blind of 24-hour seizure frequency compared to baseline; 2) a 2-fold increase in the highest consecutive 2-day seizure frequency during baseline; 3) a single generalized seizure; or 4) non-compliance during baseline. The primary measure of effectiveness was the percentage of patients meeting exit criteria. The primary measure of effectiveness was the difference between group comparisons of the time to meet exit criteria. The difference between the 2 treatments was statistically significant in favor of oxcarbazepine (see Figure 2,  $p=0.046$ ).

#### Figure 2: Kaplan-Meier Estimates of First Seizure Event Rate by Treatment Group



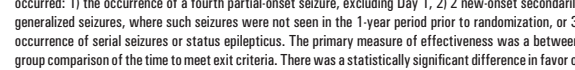
Another monotherapy substitution trial was conducted in 67 patients (11 to 66 years of age) whose seizures were inadequately controlled on 1 to 2 AEDs. Patients were randomized to either oxcarbazepine 2400 mg/day or 300 mg/day and their standard AED regimen) were administered over the first 6 weeks of double-blind therapy. Double-blind treatment continued for another 84 days (total double-blind treatment of 128 days) or until 1 of the 4 exit criteria described for the previous study occurred. The primary measure of effectiveness was a between-group comparison of the percentage of patients meeting exit criteria. The results were statistically significant in favor of the oxcarbazepine 2400 mg/day group (14/54, 41.2%) compared to the oxcarbazepine 300 mg/day group (42/45, 93.3%) ( $p < 0.0001$ ). The time to meeting one of the exit criteria was also statistically significant in favor of the oxcarbazepine 2400 mg/day group (see Figure 4,  $p < 0.0001$ ).

#### Figure 4: Kaplan-Meier Estimates of Exit Rate by Treatment Group



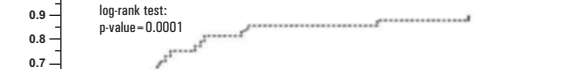
Another monotherapy substitution trial was conducted in 87 patients (11 to 66 years of age) whose seizures were inadequately controlled on 1 to 2 AEDs. Patients were randomized to either oxcarbazepine 2400 mg/day or 300 mg/day and their standard AED regimen) were administered over the first 6 weeks of double-blind therapy. Double-blind treatment continued for another 84 days (total double-blind treatment of 128 days) or until 1 of the 4 exit criteria described for the previous study occurred. The primary measure of effectiveness was a between-group comparison of the percentage of patients meeting exit criteria. The results were statistically significant in favor of the oxcarbazepine 2400 mg/day group (14/54, 41.2%) compared to the oxcarbazepine 300 mg/day group (42/45, 93.3%) ( $p < 0.0001$ ). The time to meeting one of the exit criteria was also statistically significant in favor of the oxcarbazepine 2400 mg/day group (see Figure 4,  $p < 0.0001$ ).

#### Figure 4: Kaplan-Meier Estimates of Exit Rate by Treatment Group



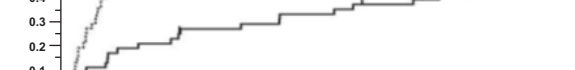
Another monotherapy substitution trial was conducted in 87 patients (11 to 66 years of age) whose seizures were inadequately controlled on 1 to 2 AEDs. Patients were randomized to either oxcarbazepine 2400 mg/day or 300 mg/day and their standard AED regimen) were administered over the first 6 weeks of double-blind therapy. Double-blind treatment continued for another 84 days (total double-blind treatment of 128 days) or until 1 of the 4 exit criteria described for the previous study occurred. The primary measure of effectiveness was a between-group comparison of the percentage of patients meeting exit criteria. The results were statistically significant in favor of the oxcarbazepine 2400 mg/day group (14/54, 41.2%) compared to the oxcarbazepine 300 mg/day group (42/45, 93.3%) ( $p < 0.0001$ ). The time to meeting one of the exit criteria was also statistically significant in favor of the oxcarbazepine 2400 mg/day group (see Figure 4,  $p < 0.0001$ ).

#### Figure 4: Kaplan-Meier Estimates of Exit Rate by Treatment Group



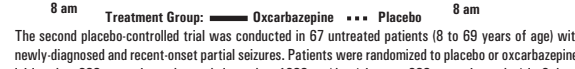
Another monotherapy substitution trial was conducted in 87 patients (11 to 66 years of age) whose seizures were inadequately controlled on 1 to 2 AEDs. Patients were randomized to either oxcarbazepine 2400 mg/day or 300 mg/day and their standard AED regimen) were administered over the first 6 weeks of double-blind therapy. Double-blind treatment continued for another 84 days (total double-blind treatment of 128 days) or until 1 of the 4 exit criteria described for the previous study occurred. The primary measure of effectiveness was a between-group comparison of the percentage of patients meeting exit criteria. The results were statistically significant in favor of the oxcarbazepine 2400 mg/day group (14/54, 41.2%) compared to the oxcarbazepine 300 mg/day group (42/45, 93.3%) ( $p < 0.0001$ ). The time to meeting one of the exit criteria was also statistically significant in favor of the oxcarbazepine 2400 mg/day group (see Figure 4,  $p < 0.0001$ ).

#### Figure 4: Kaplan-Meier Estimates of Exit Rate by Treatment Group



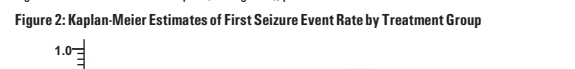
Another monotherapy substitution trial was conducted in 87 patients (11 to 66 years of age) whose seizures were inadequately controlled on 1 to 2 AEDs. Patients were randomized to either oxcarbazepine 2400 mg/day or 300 mg/day and their standard AED regimen) were administered over the first 6 weeks of double-blind therapy. Double-blind treatment continued for another 84 days (total double-blind treatment of 128 days) or until 1 of the 4 exit criteria described for the previous study occurred. The primary measure of effectiveness was a between-group comparison of the percentage of patients meeting exit criteria. The results were statistically significant in favor of the oxcarbazepine 2400 mg/day group (14/54, 41.2%) compared to the oxcarbazepine 300 mg/day group (42/45, 93.3%) ( $p < 0.0001$ ). The time to meeting one of the exit criteria was also statistically significant in favor of the oxcarbazepine 2400 mg/day group (see Figure 4,  $p < 0.0001$ ).

#### Figure 4: Kaplan-Meier Estimates of Exit Rate by Treatment Group



Another monotherapy substitution trial was conducted in 87 patients (11 to 66 years of age) whose seizures were inadequately controlled on 1 to 2 AEDs. Patients were randomized to either oxcarbazepine 2400 mg/day or 300 mg/day and their standard AED regimen) were administered over the first 6 weeks of double-blind therapy. Double-blind treatment continued for another 84 days (total double-blind treatment of 128 days) or until 1 of the 4 exit criteria described for the previous study occurred. The primary measure of effectiveness was a between-group comparison of the percentage of patients meeting exit criteria. The results were statistically significant in favor of the oxcarbazepine 2400 mg/day group (14/54, 41.2%) compared to the oxcarbazepine 300 mg/day group (42/45, 93.3%) ( $p < 0.0001$ ). The time to meeting one of the exit criteria was also statistically significant in favor of the oxcarbazepine 2400 mg/day group (see Figure 4,  $p < 0.0001$ ).

#### Figure 4: Kaplan-Meier Estimates of Exit Rate by Treatment Group



Another monotherapy substitution trial was conducted in 87 patients (11 to 66 years of age) whose seizures were inadequately controlled on 1 to 2 AEDs. Patients were randomized to either oxcarbazepine 2400 mg/day or 300 mg/day and their standard AED regimen) were administered over the first 6 weeks of double-blind therapy. Double-blind treatment continued for another 84 days (total double-blind treatment of 128 days) or until 1 of the 4 exit criteria described for the previous study occurred. The primary measure of effectiveness was a between-group comparison of the percentage of patients meeting exit criteria. The results were statistically significant in favor of the oxcarbazepine 2400 mg/day group (14/54, 41.2%) compared to the oxcarbazepine 300 mg/day group (42/45, 93.3%) ( $p < 0.0001$ ). The time to meeting one of the exit criteria was also statistically significant in favor of the oxcarbazepine 2400 mg/day group (see Figure 4,  $p < 0.0001$ ).

#### Figure 4: Kaplan-Meier Estimates of Exit Rate by Treatment Group



Another monotherapy substitution trial was conducted in 87 patients (11 to 66 years of age) whose seizures were inadequately controlled on 1 to 2 AEDs. Patients were randomized to either oxcarbazepine 2400 mg/day or 300 mg/day and their standard AED regimen) were administered over the first 6 weeks of double-blind therapy. Double-blind treatment continued for another 84 days (total double-blind treatment of 128 days) or until 1 of the 4 exit criteria described for the previous study occurred. The primary measure of effectiveness was a between-group comparison of the percentage of patients meeting exit criteria. The results were statistically significant in favor of the oxcarbazepine 2400 mg/day group (14/54, 41.2%) compared to the oxcarbazepine 300 mg/day group (42/45, 93.3%) ( $p < 0.0001$ ). The time to meeting one of the exit criteria was also statistically significant in favor of the oxcarbazepine 2400 mg/day group (see