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#### REVIEW

# Rizatriptan for the acute treatment of migraine: Consistency, preference, satisfaction, and quality of life

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Correspondence: Tamara Pringsheim C4-431, Alberta Children's Hospital, 2888 Shaganappi Trail NW, Calgary AB, T3B 6A8, Canada Tel +1 403 955 7921 Fax +1 403 955 5990 Email tmprings@ucalgary.ca **Abstract:** Rizatriptan is a 5HT (IB/ID) agonist with proven efficacy in the acute treatment of migraine headache. We performed a systematic review of the literature for clinical trials of rizatriptan incorporating important patient outcomes including consistency of response, preference, satisfaction, and quality of life. We found evidence that rizatriptan provides consistent relief of migraine attacks and that patients prefer rizatriptan over other treatments because of its speed of relief. Patient satisfaction with rizatriptan is significantly higher than placebo, but appears equivalent to most other triptans. Migraine-specific quality of life at 24 hours is significantly better in patients treated with rizatriptan compared to placebo, while overall long-term quality of life is less affected. The published clinical trials included in this systematic review are subject to bias due to the open-label nature of preference trials and the doses chosen for comparison in head-to-head trials.

Keywords: migraine, rizatriptan, patient preference

# Background

Rizatriptan is a 5HT (1B/1D) receptor agonist and one of seven triptans available for acute migraine headache treatment. Rizatriptan's efficacy and tolerability have been demonstrated by multiple randomized placebo controlled studies. A systematic review and meta-analysis of the available triptans in 2001 looked at 53 double-blind, randomized, placebo-controlled trials and compared the various triptans.<sup>1</sup> The authors found that all oral triptans were effective and well tolerated. Based on their meta-analysis, 10 mg rizatriptan, 80 mg eletriptan, and 12.5 mg almotriptan provide the highest likelihood of consistent success.

In contrast to the traditional measures of efficacy and tolerability, a much smaller number of studies have looked at patient satisfaction or preference for rizatriptan and quality of life measures. In this systematic review, our goal is to review the literature on patient satisfaction and preference, consistency of response, as well as studies analyzing quality of life for rizatriptan.

Preference and satisfaction for a certain medication is based on multiple factors. These include speed and degree of pain relief, headache recurrence, adverse symptoms, ease of medication administration, functional disability, and consistency of effect. Therefore, the composite endpoint of patient preference unifies these factors into a single global measure incorporating efficacy and tolerability, and is meaningful to both patients and physicians. In addition, studies have shown that patient preference is a sensitive clinical trial endpoint.<sup>2</sup>

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Quality of life is also a very important measure for patients taking acute migraine medications. Many patients can become severely disabled with their migraines, rendering them unable to go to work, school, or even to do daily household duties. Standardized and validated quality of life measures are available for migraine and are crucial to consider in addition to traditional measures of efficacy and tolerability.

# **Methods**

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A systematic review of clinical trials of rizatriptan for the treatment of migraine headache was performed. For the identification of studies considered for this review, a search strategy was developed for Ovid MEDLINE (1950 to April 2009) and EMBASE (1980 to April 2009). A very broad search strategy was employed in order to maximize the chance of finding relevant trials. The MEsH heading "migraine disorders" was cross-referenced with the term "rizatriptan" as a keyword. We limited our search to articles written in English. Clinical trials were included in the review if they had outcome measures pertaining to patient preference, patient satisfaction, consistency of response, or quality of life. Data on patient satisfaction was only assessed from double-blind randomized studies. We included both open and double-blind trials using patient preference, consistency of response and quality of life as outcomes. Titles and abstracts identified by the literature search were screened for eligibility by two independent reviewers (TP and FA). Papers that could not be excluded with certainty on the basis of the information contained in the title or abstract were retrieved in full for screening by both authors. Data on patient satisfaction, preference, consistency, and quality of life were abstracted by one researcher.

The combined search strategies yielded 1,461 abstracts. After analysis of the abstracts, 64 full text articles were reviewed. Twenty-four trials met our inclusion criteria and were included in the review (see Figure 1 for study flow diagram).

Meta-analysis was performed by treatment comparison type (ie, placebo, other triptans) if more than one trial was performed. Odds ratios (OR) were calculated with 95% confidence intervals (CI). OR from multiple studies were tested for homogeneity using the chi-squared test and by calculating the I-squared statistic. If study estimates were homogenous, they were combined using a fixed-effects model. When studies with heterogeneous results were clinically similar, the study estimates were combined using a randomeffects model. Clinical heterogeneity was assessed by looking at trial and patient characteristics and outcome measures. Trials required similar inclusion and exclusion criteria, clinical populations, and common outcome measures in order to be combined statistically using meta-analysis. Clinically heterogeneous studies were not statistically combined. We used Review Manager 5 software (available from the Cochrane Collaboration) to perform meta-analysis.

# Results

# Consistency

Three studies have looked specifically at consistency of response for patients using rizatriptan for their acute migraine headaches. These studies were not combined using metaanalysis due to clinical heterogeneity; the trials employed differing research protocols and outcome measures (see Table 1 for summary of data). Dahlof and colleagues<sup>3</sup> performed post-hoc analysis on data from a randomized double-blind, placebo-controlled trial, to determine "within-patient consistency" of response to rizatriptan. Within-patient consistency describes the percentage of patients who have a response to medication in a certain proportion of their migraine attacks. Patients treated four attacks, with four groups receiving rizatriptan 10 mg for three of four attacks, and placebo for the other attack, in different sequences, and the final group receiving rizatriptan 10 mg for all four attacks. The primary outcome of this study was pain relief at two hours. In patients who treated three of four attacks with rizatriptan, 86% had pain relief in at least two of those three attacks. In those treating all four attacks with rizatriptan, 73% had pain relief in at least three of four attacks.

Block and colleagues<sup>4</sup> looked at the consistency of effect with rizatriptan compared to the standard treatment for migraine. This multicenter study randomized 1,831 patients with more than 46,000 attacks to rizatriptan 5 mg, 10 mg, or standard care. The rizatriptan groups were single-blinded and the standard care group was unblinded. The majority of patients in the standard care group used sumatriptan, alone or with nonsteroidal anti-inflammatory drugs (NSAIDs) or acetaminophen. The primary outcome was pain relief at two hours. For the 10 mg dose of rizatriptan, a median of 90% of attacks were relieved, as compared to 80% for rizatriptan 5 mg, and 70% for standard care (p < 0.05). The percentage of attacks relieved was similar for patients who treated just a few attacks as compared to those treating dozens of attacks.

Göbel and colleagues<sup>5</sup> looked at the efficacy and tolerability of rizatriptan 10 mg treating up to three attacks of migraine in an open-label study. They found no evidence Patient Preference and Adherence downloaded from https://www.dovepress.com/ by 54.210.61.41 on 19-Feb-2019 For personal use only.



Figure 1 Flow diagram of the selection of clinical trials and studies.

of tolerance to repeated use and headache relief was noted in 79% of attacks.

# Preference

Ten open-label studies have looked at patient preference for rizatriptan versus other triptans and nontriptan medications (see Table 2 for summary of study data). These studies generally involve a cross-over design, in which the patient is instructed to treat two moderate to severe migraine attacks; one with rizatriptan and the other with another medication. At the final visit, patients are asked to complete a validated "Preference Questionnaire". In these, the patient is asked which of the two medications they prefer, or if they have no preference. In those expressing a preference, they are then

StudySample sizeDahlof, 20003250		Comparison	Outcome measures	Results Three of four attacks: 86% pain relief at two hours in at least two of three attacks. All four attacks: 73% pain relief in at least three of four attacks	
		Rizatriptan 10 mg in three of four attacks, or rizatriptan 10 mg in all four attacks	Pain relief at two hours		
Block, I998⁴	1,831	Rizatriptan 10 mg, 5 mg or standard treatment	Pain relief at two hours	90% for 10 mg, 80% for 5 mg, 70% for standard treatment	
Göbel, 2001⁵	25,501	Tolerance to rizatriptan use in up to three attacks	Tolerance, headache relief	No tolerance with repeated use 79% had headache relief within one hour	

 Table I Summary of studies looking at consistency of effect for rizatriptan

asked to choose the most important reason. Reasons include relieving headache faster, returning to normal activities more quickly, fewer side effects, ease of taking the medication, headache recurrence with other treatment, and faster relief of nausea, photophobia, and/or phonophobia. Meta-analysis of these studies was not possible due to clinical heterogeneity.

Láinez and colleagues<sup>6</sup> compared the rizatriptan 10 mg wafer to eletriptan 40 mg tablets. Of 372 patients, 342 patients (92%) expressed a preference. Of these, 61% preferred the rizatriptan 10 mg wafer over eletriptan (p < 0.001). The most common reason given for the preference was speed of headache relief.

Loder and colleagues<sup>7</sup> compared rizatriptan 10 mg with sumatriptan 50 mg tablets. Of 472 patients, 374 expressed a preference. Of these, 213 (57%) preferred rizatriptan and the remainder (43%) preferred sumatriptan (p = 0.009).

The most important reason for preference was faster pain relief. Pascual<sup>8</sup> also did a similar study with these two medications. Of 425 patients, 44 patients (10.4%) did not express a preference. Of the 381 patients who did express a preference, 245 (64.3%) preferred rizatriptan and 136 patients (35.7%) preferred sumatriptan ( $p \le 0.001$ ). Faster relief of headache was again the most important reason.

Iglesias and colleagues<sup>9</sup> compared rizatriptan 10 mg with almotriptan 12.5 mg. Of 267 patients, 209 recorded a preference, with 114 (54.5%) preferring almotriptan, and 95 (45.5%) preferring rizatriptan (p = 0.1663). The results in this case were not statistically significant. Faster headache relief was again the most important reason for preference.

An open-label study by Ng-Mak and colleagues<sup>10</sup> compared rizatriptan with patients' usual care oral triptans. These included sumatriptan (49.6%), zolmitriptan (15.2%),

 Table 2 Summary of studies looking at preference for rizatriptan versus other medications

Study Sample size		Comparison	Outcome	Results	
Láinez, 2006 <sup>6</sup>	372	Rizatriptan 10 mg or eletriptan 40 mg	Preference for one treatment	61% preferred rizatriptan	
Loder, 2001 <sup>7</sup>	472	Rizatriptan 10 mg or sumatriptan 50 mg	Preference for one treatment	57% preferred rizatriptan	
Pascual, 2001 <sup>8</sup>	425	Rizatriptan 10 mg or sumatriptan 50 mg	Preference for one treatment	10% had no preference 64% preferred rizatriptan	
Díez, 2007 <sup>9</sup>	267	Rizatriptan 10 mg or almotriptan 12.5 mg	Preference for one treatment	54.5% preferred almotriptan	
Ng-Mak, 2007 <sup>10</sup>	673	Rizatriptan 10 mg or usual care triptans	Preference for one treatment	19.6% no preference, 46.6% preferred rizatriptan, 33.7% preferred another triptan	
Adelman, 200011	367	Rizatriptan tablet vs wafer	Preference for one treatment	No preference found	
Christie, 2003 <sup>12</sup>	439	Rizatriptan 10 mg or ergotamine I mg/caffeine 100 mg	Preference for one treatment	89% expressed preference. Of these, 69.9% preferred rizatriptan	
Pascual, 2005 <sup>13</sup>	1,353	Rizatriptan 10 mg or usual nontriptan therapy	Preference for one treatment	78.8% preferred rizatriptan	
Bell, 2006 <sup>14</sup>	1,489	Rizatriptan 10 mg or usual care meds	Preference for one treatment	19.6% had no preference. 58% preferred rizatriptan	
Láinez, 200515	259	Rizatriptan 10 mg or usual meds	Preference for one treatment	89% preferred rizatriptan	

eletriptan (13.8%), almotriptan (11.7%), frovatriptan (5.1%) and naratriptan (4.6%). Regarding medication preference, 46.6% preferred rizatriptan, 33.7% preferred another oral triptan, and 19.6% expressed no preference.

The rizatriptan tablet and wafer have also been compared.<sup>11</sup> Of 367 patients, no preference was found for the tablet versus the wafer.

Rizatriptan 10 mg tablet was compared with two ergotamine 1 mg/caffeine 100 mg tablets in a study of 439 patients.<sup>12</sup>. 89.1% of patients expressed a preference. Of these, 69.9% preferred rizatriptan ( $p \le 0.001$ ). Faster relief of headache was the most important reason.

Another similar study<sup>13</sup> looked at rizatriptan 10 mg wafer versus patients' usual nontriptan therapy. Usual nontriptan medications included NSAIDs (57%), simple analgesics (27%), or ergot derivatives (16%). 78.8% of patients preferred rizatriptan (p < 0.001). The most common reasons cited for preference were faster relief of headache and faster return to normal function. A similar study by Bell and colleagues<sup>14</sup> compared rizatriptan 10 mg tabs with usual-care medications. These medications included sumatriptan (48.9%), zolmitriptan (15.8%), eletriptan (12.9%), almotriptan (12.0%), NSAIDs (5.4%), butalbital-containing combinations (4.3%) and isometheptene (3.4%). In terms of preference, 19.6% did not express a preference. Of the 1,147 patients who did express a preference, 58% preferred rizatriptan (p < 0.001).

A different type of study by Láinez and colleagues<sup>15</sup> looked at productivity and quality of life, as well as preference for rizatriptan over usual medications. This was a prospective, open-label study at 27 work sites in Spain. Patients completed study questionnaires to assess quality of life: ML-96, and the

Short Form Health Survey (SF-36) at baseline and then three months later. The ML-96 questionnaire has two parts. The first part evaluates the use of medical resources, and the second part assesses the effect of migraine on work loss and productivity. The SF-36 questionnaire is a validated tool designed to measure general health-related quality of life. Questions look at three aspects of health: functional status, well-being, and perception of health. 259 patients completed the study. Only 7% had taken triptans in the past. Patients were instructed to treat moderate to severe migraines with rizatriptan 10 mg tabs, for the three-month duration of the study. After three months of rizatriptan therapy, the use of medical services was much lower, absenteeism from work was lower, and quality of life had improved (p < 0.001). 89% preferred rizatriptan over their usual medications. Again, the most common reason for preference was rapid speed of headache relief.

### Patient satisfaction

Patient satisfaction with therapy at two hours post-treatment was evaluated as a secondary outcome in six double-blind, randomized trials of rizatriptan versus placebo.<sup>16–21</sup> Patients rated their satisfaction with the study treatment on a sevenpoint scale, with 1 = completely satisfied, couldn't be better; 2 = very satisfied; 3 = somewhat satisfied; 4 = neither satisfied nor dissatisfied; 5 = somewhat dissatisfied; 6 = very dissatisfied; 7 = completely dissatisfied, couldn't be worse. Combination of data from the six trials using meta-analysis was performed (see Figure 2). The odds of being completely, very or somewhat satisfied using rizatriptan versus placebo was 4.62 (95% CI: 3.36, 6.36; p < 0.00001).

Patient satisfaction with rizatriptan versus another triptan (sumatriptan, naratriptan, zolmitriptan) at two hours was

	Rizatriptan		Placebo		Odds ratio		Odds ratio	
Study or subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% Cl	M-H, Rand	om, 95% Cl
Bomhof, 1999 <sup>17</sup>	108	192	16	101	13.3%	6.83 [3.73, 12.51]		
Freitag, 2008 <sup>18</sup>	117	185	40	92	15.5%	2.24 [1.34, 3.72]		
Goldstein, 1998 <sup>16</sup>	695	1112	119	428	22.3%	4.33 [3.39, 5.52]		
Kramer, 199819	224	324	17	83	13.8%	8.70 [4.86, 15.58]		
Pascual, 2000 <sup>20</sup>	183	292	34	146	16.9%	5.53 [3.52, 8.68]		
Tfelt Hansen, 1998 <sup>21</sup>	224	380	44	156	18.1%	3.66 [2.44, 5.48]		
Total (95% CI)		2485		1006	100.0%	4.62 [3.36, 6.36]		•
Total events	1551		270					
Heterogeneity: Tau <sup>2</sup> = 0.10; Chi <sup>2</sup> = 15.87, df = 5 (P = 0.007); l <sup>2</sup> = 69%								
Test for overall effect: Z = 9.40 (P < 0.00001)					Favors placebo	Favors rizatriptan		

Figure 2 Patient satisfaction; rizatriptan versus placebo.

evaluated as a secondary outcome in four double-blind, randomized trials.<sup>16,17,20,21</sup> Meta-analysis of the data from the four trials was performed (see Figure 3). Patients taking rizatriptan were 1.32 times more likely to be completely, very or somewhat satisfied compared to those taking another triptan (95% CI: 1.09, 1.60; p = 0.005).

One trial compared patient satisfaction with rizatriptan 10 mg versus ergotamine/caffeine in a double-blind crossover trial of 439 patients treating a single migraine attack with each therapy.<sup>12</sup> Two hours after dosing, 69.8% of patients were completely, very or somewhat satisfied with rizatriptan, compared to 38.6% with ergotamine/caffeine (p < 0.001).

# Health-related quality of life

Five clinical trials of rizatriptan have assessed quality of life as a secondary outcome; four double-blind, randomized trials of rizatriptan versus placebo (and zolmitriptan in one trial), and one open-label extension trial of rizatriptan versus standard care. All studies used the 24-hour Migraine Quality of Life Questionnaire; the open-label trial also measured general health-related quality of life using the SF-36. The 24-hour Migraine Quality of Life Questionnaire is a validated instrument, consisting of 15 questions divided into five domains: work functioning, social functioning, energy/vitality, migraine symptoms, and feelings/concerns. As the description of the study results was quite limited in three of the double-blind trials, and due to clinical heterogeneity of the remaining trials, the results were not combined using meta-analysis (see Table 3 for summary of study data).

Santanello and colleagues<sup>22</sup> reported the effects of rizatriptan on migraine-specific quality of life in 247 patients participating in a substudy of a large randomized, doubleblind, placebo-controlled trial of rizatriptan 2.5 mg, 5 mg, 10 mg, or placebo. Patients treated one moderate or severe migraine attack with study medication and completed the 24-hour Migraine Quality of Life Questionnaire 24 hours after ingesting the test medication. The study found a significant linear dose response for each of the domain scores in the 24-hour Migraine Quality of Life Questionnaire. Statistically significant mean improvements were observed for patients treated with rizatriptan 10 mg compared with those treated with placebo in the social functioning, migraine symptoms, and feelings/concerns domains. Patients receiving rizatriptan 10 mg experienced significantly better overall migrainespecific quality of life compared to those on placebo.

Migraine-specific quality of life in patients using rizatriptan 5 or 10 mg versus placebo was also briefly described in Teall's study<sup>23</sup> of 1473 patients, and Ahrens' study<sup>24</sup> of 634 patients. Teall reported that both doses of rizatriptan resulted in a significant improvement in quality of life scores in all domains over placebo, while Ahrens' reported that the rizatriptan 10 mg wafer was statistically superior to the 5 mg dose in improving quality of life at 24 hours post-dose. Pascual's study<sup>20</sup> of rizatriptan 10 mg versus zolmitriptan 2.5 mg and placebo in 776 patients reported that both rizatriptan and zolmitriptan were superior to placebo on all five quality of life domains and there were no differences between the active treatments.

Gerth and colleagues<sup>25</sup> reported the effect of rizatriptan on migraine-specific quality of life at 24 hours and general health-related quality of life in a 12-month open-label extension trial of rizatriptan 10 mg versus standard care (which was sumatriptan for the majority of patients). 265 patients completed the 24-hour Migraine Quality of Life Questionnaire over the first month of the trial, and the SF-36 at baseline and at 2, 6, and 12 months. Patients randomized to rizatriptan 10 mg had significantly better scores in all five domains of the 24-hour Migraine Quality of Life Questionnaire instrument. The magnitude of increase ranged from 11% in the work functioning domain to 26% in the feelings/concerns domain. With respect to general health-related quality of life,

	Rizatriptan Ot		Other tirptan			Odds ratio	Od	Odds ratio	
Study or subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% (	CI M-H, Ra	andom, 95% Cl	
Bomhof, 199917	108	192	86	209	16.5%	1.84 [1.24, 2.73	6]		
Goldstein, 199816	695	1112	665	1114	38.4%	1.13 [0.95, 1.33	3]	+=-	
Pascual, 2000 <sup>20</sup>	175	279	154	282	20.4%	1.40 [1.00, 1.96	5]		
Tfelt Hansen, 1998 <sup>21</sup>	224	380	200	380	24.7%	1.29 [0.97, 1.72	]	-	
Total (95% CI)		1963		1985	100.0%	1.32 [1.09, 1.60]	]	•	
Total events	1202		1105						
Heterogeneity: Tau <sup>2</sup> = 0.02; Chi <sup>2</sup> = 5.57, df = 3 (P = 0.13); l <sup>2</sup> = 46%									
Test for overall effect: Z = 2.83 (P = 0.005)							0.2 0.5 Favors other tripta	n Favors rizatriptan	5

Figure 3 Patient satisfaction; rizatriptan versus other triptans.

Study	Comparison	Sample size	Outcome studied	Results
Santanello, 1997 <sup>22</sup>	Placebo, rizatriptan 2.5 mg, 5 mg or 10 mg	n = 247	24 h MQoLQ	Improvement in three of five domains of 24 h MQoLQ in rizatriptan 10 mg group compared to placebo: social functioning, migraine symptoms, and feelings/concerns
Teall, 1998 <sup>23</sup>	Placebo, rizatriptan 5 mg or 10 mg	n = 1473	24 h MQoLQ	Improvement in all five domains of 24 h MQoLQ in rizatriptan 5 mg and 10 mg group compared to placebo
Ahrens, 1999 <sup>24</sup>	Placebo, rizatriptan 5 mg or 10 mg	n = 634	24 h MQoLQ	Rizatriptan 10 mg superior to 5 mg dose in improving quality of life
Pascual, 2000 <sup>20</sup>	Placebo, rizatriptan 10 mg, or zolmitriptan 2.5 mg	n = 776	24 h MQoLQ	Rizatriptan 10 mg and zolmitriptan 2.5 mg superior to placebo in all five quality of life domains
Gerth, 2001 <sup>25</sup>	Rizatriptan 10 mg or standard care	n = 265	24 h MQoLQ SF-36	Rizatriptan 10 mg superior to standard care in all five domains of 24 h MQoLQ; significant improvement from baseline in mental health domain of SF-36

Table 3 Summary of studies on rizatriptan and guality of life

Abbreviations: 24 h MQoLQ, 24-hour Migraine Quality of Life Questionnaire; SF-36, Short Form Health Survey.

a significant improvement from baseline was only observed in the mental health domain of the SF-36.

#### Discussion

Rizatriptan is an effective therapy for acute migraine headaches, as demonstrated by multiple randomized doubleblind placebo-controlled studies. In reviewing the literature on consistency of effect, preference, satisfaction, and quality of life for rizatriptan, we can make the following conclusions.

Rizatriptan in most studies shows quite a good consistency of effect, in the range of 70% to 80% of attacks. There does not seem to be any tolerance or loss of efficacy with repeated use. Studies also indicate that rizatriptan is generally preferred over other triptans and nontriptan medications for acute migraine headaches. The majority of the studies on patient preference however were open-label and therefore unblinded. Although this is not uncommon in preference studies, biases may have entered these studies, from both the investigators and the patients. Most of the studies were financially sponsored by Merck Frosst, the maker of rizatriptan.<sup>3,4,6–8,10,12–15</sup> This bias likely resulted in the preference comparison of rizatriptan to the 50 mg dose of sumatriptan, rather than the 100 mg dose, which may be more effective than the lower dose of sumatriptan in some patients.<sup>26</sup> Furthermore, most studies compared only two attacks - one attack for each medication – which may not be enough time to determine whether a medication is effective and well tolerated.

The most important reason found for the preference of rizatriptan over other treatments was speed of headache relief.

In clinical practice, it must be appreciated that each patient is unique, and that some patients respond to one triptan better than another triptan for reasons which are not understood. Given this fact, in many headache clinics, patients are given samples of two different triptans and asked to report back on which medication they felt was most effective for their migraine attack.

Patient satisfaction with rizatriptan is consistently higher than placebo, with convincing evidence of a greater than four-fold odds of satisfaction with rizatriptan over placebo. Greater patient satisfaction with rizatriptan than other triptans is less convincing. Only one of the four studies comparing patient satisfaction with rizatriptan to other triptans had a confidence interval that did not cross 1.0 (suggesting no difference between treatments), Bomhoff's study of rizatriptan versus naratriptan 2.5 mg. It is not surprising that rizatriptan was rated more satisfactory than its competitor in this study. Naratriptan has the slowest onset of action of all the triptans, with significant pain response rates at four hours rather than two hours.<sup>27</sup> As speed of relief is highly valued by patients, it is more likely they will report greater satisfaction with a medication which has quicker onset to relief. Based on the summary of these results, there is no convincing evidence that patient satisfaction with rizatriptan exceeds that of other triptans, with the exception of naratriptan.

Migraine-specific quality of life at 24 hours appears reliably improved in patients using rizatriptan in comparison to placebo. Overall quality of life appears unaffected, with the exception of the mental health domain. Given that the SF-36 is a generic health-related quality of life measure, it likely does not have the sensitivity to reliably detect small changes in overall function in patients with migraine. A quality of life measure which is more specific to patients with chronic pain would probably yield more impressive changes over time from effective migraine therapy. Certainly in clinical practice, when patients have effective, reliable acute therapy, they feel freer to perform activities, live more spontaneously and less in fear of their migraine attacks.

In conclusion, there is good evidence to support that rizatriptan is an effective, consistently successful treatment for migraine headache that patients prefer over other therapies, and which patients feel satisfied with. Rizatriptan improves migraine-specific quality of life at 24 hours.

### Disclosures

The authors report no conflicts of interest in this work.

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