

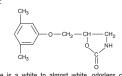
f you really want your office staff to be invested in quality improvement and come together as a team, you

have to get serious about changing the culture of your practice. That means being honest about

SKELAXIN® etaxalone) Tablets

DESCRIPTION

SKELAXIN® (metaxalone) is available as an 800 mg oval, scored pink tablet Chemically, metaxalone is 5-[(3,5- dimethylphenoxy) methyl]-2-oxazolidinone. The empirical formula is $C_{12}H_{12}NO_{31}$ which corresponds to a molecular weight of 221.25. The structural formula is:



xalone is a white to almost white, odorless crystalline er freely soluble in chloroform, soluble in methanol and in 96% ethanol, but practically insoluble in ether or water. Each tablet contains 800 mg metaxalone and the following inactive ingredients: alginic acid, ammonium calcium alginate, B-Rose Liquid, corn starch and magnesium stearate. CLINICAL PHARMACOLOGY

Mechanism of Action: The mechanism of action of metax-alone in humans has not been established, but may be due to general central nervous system depression. Metaxalone has no direct action on the contractile mechanism of striated muscle, the motor end plate or the nerve hiber. Pharmacokinetics:

The pharmacokinetics of metaxalone have been evaluated in healthy adult volunteers after single dose administration of SKELAXIN under fasted and fed conditions at doses ranging m 400 mg to 800 mg

Absorption

Peak plasma concentrations of metaxalone occur appr y 3 hours after a 400 mg oral dose under fasted co Thereafter, metaxalone concentrations decline log-line Thereafter, metaxalone concentrations decline log-linearly with a terminal half-life of 9.0 \pm 4.8 hours. Doubling the dose of SKELAXIN from 400 mg to 800 mg results in a roughly proportional increase in metaxalone exposure as indicated by peak plasma concentrations ($C_{\rm max}$) and area under the curve (AUC). Dose proportionality at doses above 800 mg has not been studied. The absolute bioavailability of metaxalone is not known.

The single-dose pharmacokinetic parameters of metaxalone in two groups of healthy volunteers are shown in Table 1. Table 1: Mean (%CV) Metaxalone Pharmacokinetic Parameters

	Dose (mg)	C _{max} (ng/mL)	T _{max} (h)	AUC_{∞} (ng·h/mL)	t _{1/2} (h)	CL/F (L/h)		
	400 ¹	983 (53)	3.3 (35)	7479 (51)	9.0 (53)	68 (50)		
	800 ²	1816 (43)	3.0 (39)	15044 (46)	8.0 (58)	66 (51)		
	Subjects received 1x400 mg tablet under fasted conditions $(N=42)$							

 $^{2}\mbox{Subjects}$ received 2x400 mg tablets under fasted conditions (N=59)

Food Effects

Food Effects A randomized, two-way, crossover study was conducted in 42 healthy volunteers (31 males, 11 females) administered one 400 mg SKELAXIN tablet under fasted conditions and following a standard high-fat breaktast. Subjects ranged in age from 18 to 48 years (mean age = 23.5 ± 5.7 years). Compared to fast-ed conditions, the presence of a high fat meal at the time of drug administration increased C_{mm} by 177.5% and increased AUC (AUC_{0-n}, AUC_{-n}) by 123.5% and 115.4%, respectively. Inme-to-peak concentration (T_{max}) was also delayed (4.3 h *ver-sus* 3.3 h) and terminal half-life was decreased (2.4 h *versus* 9.0 h) under fed conditions compared to fasted. In a second fond effect study of similar design two 400 mg

9.0 h) under fed conditions compared to fasted. In a second food effect study of similar design, two 400 mg SKLLAXIN tablets (800 mg) were administered to healthy volunteers (N=59, 37 males, 22 females), ranging in age from 18-50 years (mean age = 25.6 ± 8.7 years). Compared to fasted conditions, the presence of a high fat meal at the time of drug administration increased $C_{\rm max}$ by 193.6% and increased AUC $Q_{\rm LP}$ (AUC) by 146.4% and 142.2%, respectively. Time-to-peak concentration $(T_{\rm max})$ was also delayed (4.9 h versus 3.0 h) under fed conditions compared to fasted conditions. Similar food effect results were observed in the above study when one SKELAXIN 400 mg tablets. The increase in metaxalone exposure coinciding with a reduction in half-life myab eattributed to more complete absorption of metaxalone in the presence of a where connecting with a reduction in half-life may be attributed to more complete absorption of metaxalone in the presence of a high fat meal (Figure 1).



how comfortable people are speaking up and challenging your ideas and actions and those of other physicians in the practice.

Five years ago, when our practice became a pilot site for a team-building project funded by a grant from the Institute for Healthcare Improvement, I realized how wide the gap can be between how a physician views his or her practice and what is heard among the office staff in the lunch room.

If you want individuals to be invested in practice improvement, you absolutely must create an environment in which everyone feels truly welcome to present ideas and then you must genuinely listen to what they have to say. Having that openness and readiness to hear what the front desk receptionist has noticed about a patient scheduling problem, and to hear suggestions about how to fix it, is critical for team building. In most offices there is

PRECAUTIONS Metazalone should be administered with great care to patients with pre-existing liver damage. Serial liver function studies should be performed in these patients.

snould be performed in these patients. False-positive Benedict's tests, due to an unknown reducing substance, have been noted. A glucose-specific test will differ-entiate findings. Taking SKELAXIN with food may enhance general CNS depres-sion; elderly patients may be especially susceptible to this CNS effect. (See CLINICAL PHARMACOLOGY: Pharmacokinetics and PRECAUTIONS: Information for Patients section). Information for Patients SKEI AXIN may impair mental and/or physical ebilition

Information for Patients SKELAXIN may impair mental and/or physical abilities required for performance of hazardous tasks, such as oper-ating machinery or driving a motor vehicle, especially when used with alcohol or other CNS depressants.

Drug Interactions SKELAXIN may enhance the effects of alcohol, barbiturates and other CNS depressants. Carcinogenesis, Mutagenesis, Impairment of Fertility

nogenic potential of metaxalone has not been de

The carcinogenic potential of metaxalone has not been determined. *Pregnancy* Reproduction studies in rats have not revealed evidence of imarketing experience has not revealed evidence of fetal injury, but such experience cannot exclude the possibility of infrequent or subtle damage to the human fetus. Safe use of metaxalone has not been established with regart to possible adverse effects upon fetal development. Therefore, metaxalone tablets should not be used in women who are or may become pregnant and particular-ly during early pregnancy unless in the judgement of the physician the potential benefits outweigh the possible hazards. *Nursing Mothers* It is not known whether this drug is secreted in human milk. As a general rule, nursing should not be undertaken while a patient is on a drug since many drugs are excreted in human milk. *Pediatric Use*

Safety and effectiveness in children 12 years of age and below not been established ADVERSE REACTIONS

The most frequent reactions to metaxalone include CNS: drowsiness, dizziness, headache, and nervousness or 'irritability":

Digestive: nausea, vomiting, gastrointestinal upset.

Other adverse reactions are: Immune System: hypersensitivity reaction, rash with or without pruritus:

matologic: leukopenia; hemolytic anemia; Hepatobiliary: jaundice.

Though rare, anaphylactoid reactions have been reported with metaxalone.

OVERDOSAGE

Deaths by deliberate or accidental overdose have occurred with and by concernet or accuental overdose have occurred with metaxalone, particularly in combination with antidepressants, and have been reported with this class of drug in combination with alcohol.

What account. When determining the LD_{so} in rats and mice, progressive sed tion, hypnosis and finally respiratory failure were noted as to dosage increased. In dogs, no LD_{so} could be determined as thigher doses produced an emetic action in 15 to 30 minutes. ted as the ned as the *Treatment* - Gastric lavage and supportive therapy. Consultation with a regional poison control center is recommended. DOSAGE AND ADMINISTRATION

The recommended dose for adults and children over 12 years of age is one 800 mg tablet three to four times a day. HOW SUPPLIED

HOW SUPPLIED SKELAXIN (metaxalone) is available as an 800 mg oval, scored pink tablet inscribed with 8667 on the scored side and "S" on the other. Available in bottles of 100 (NDC 60793-136-01) and in bottles of 500 (NDC 60793-136-05). Store at Controlled Room Temperature, between 15°C and 30°C (59°F and 86°F).

Rx Only

Prescribing Information as of April 2007

SKE5180

King Pharmaceuticals Distributed by: King Pharmaceuticals, Inc., Bristol, TN 37620 Manufactured by: Mallinckrodt Inc., Hobart, NY 13788



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a hierarchy depending on training. We have distinct professional roles. But it is still possible to build a culture of collaboration and learning.

Building teams requires moving away from the traditional notion that excellent health care is provided by excellent doctors. Physicians are trained to be leaders, so their natural definition of a team is a group of people working together to do what they want them to do. But building a solid team is more than just delegating responsibilities. It's about inspiring people to see how they can make a difference.

There's no shortcut around the time and energy this requires-but the payoffs are phenomenal. Once a month our office closes for a 1-hour lunchtime meeting during which everyone discusses what we want to accomplish. The idea is to brainstorm about best practices.

During one meeting, we addressed our management of hypertensive patients. When asked what a best practice would like look, the staff came to the table with a cornucopia of ideas. One individual in the front office took the initiative to investigate exercise resources in the community. She also went to every local pharmacy to see whether they carried recommended home monitors. And since checking the accuracy of home blood pressure monitors was taking too much of our time, she found another avenue: The local fire department provides such services and will send our office the results.

The clinical staff is compiling an informational handout that explains the causes of high blood pressure and provides tips for lowering salt intake.

At the suggestion of the medical assistant staff, protocols have been instituted for all diabetic patients so that they have more clinical responsibilities. They have been trained to conduct foot exams, and give immunizations with standing orders instead of waiting for the physician to initiate this for each patient.

They also follow up on eye exams, faxing the provider for results and scheduling exams, if needed. All of this is done before any physician walks into the exam room.

Protocols are also in place for the clinical staff to print mammogram orders, schedule Pap smears, and provide tetanus immunizations. As a result, our quality measures on preventive care are very high. In certain cases, the staff also handles prescription refills, which is a huge load off of the physician staff.

All of these changes have led to greater satisfaction among the staff. They are much happier because they feel empowered and the difference is already making a measurable improvement in patient care.

DR. SAFFORD is a family physician at Ferndale (Wash.) Family Medical Center, a part of Family Care Network. She is also medical director for quality performance for Family Care Network, a 50-family physician group without walls in Northwest Washington.

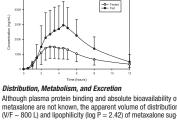


Figure 1. Mean (SD) Concentrations of Metaxalone following an 800 mg Dose under Fasted and Fed Conditions

gest that the drug is extensively distributed in the tissues. Metaxalone is metabolized by the liver and excreted in the urine as unidentified metabolites. as uni kinetics in Special Populations

Age: The effects of age on the pharmacokinetics of metaxalone were determined following single administration of two 400 mg tablets (800 mg) under fasted and fed conditions. The results were analyzed separately, as well as in combination with the results from three other studies. Using the combined data, the results indicate that the pharmacokinetics of metaxalone are significantly more affected by age under fasted conditions than under fed conditions, with bioavailability under fasted condi-tions increasing with age.

The bioavailability of metaxalone under fasted and fed condi-tions in three groups of healthy volunteers of varying age is shown in Table 2.__

an (%CV) Pharmacokinetics Para le 2. Me lowing Single Administration of Two 400 mg SKELAXIN Tablets (800 mg) under Fasted and Fed Conditions

	Younger \	/olunteers	Older Volunteers			
Age (years)	25.6 ± 8.7 59		39.3 ± 10.8		71.5 ± 5.0	
N			21		23	
Food	Fasted	Fed	Fasted	Fed	Fasted	Fed
C _{max} (ng/mL)	1816 (43)	3510 (41)	2719 (46)	2915 (55)	3168 (43)	3680 (59)

T _{max} (h)	3.0	4.9	3.0	8.7	2.6	6.5
	(39)	(48)	(40)	(91)	(30)	(67)
AUC _{0-t}	14531	20683	19836	20482	23797	24340
(ng∙h/mL)	(47)	(41)	(40)	(37)	(45)	(48)
AUC _∞	15045	20833	20490	20815	24194	24704
(na·h/mL)	(46)	(41)	(39)	(37)	(44)	(47)

Gender: The effect of gender on the pharmacokinetics of metaxalone was assessed in an open label study, in which 48 healthy adult volunteers (24 males, 24 females) were adminihealthy adult volunteers (24 males, 24 females) were administered two SKELAXIN 400 mg tablets (800 mg) under fasted conditions. The bioavailability of metaxalone was significantly higher in females compared to males as evidenced by $G_{\rm max}$ (2115 ng/mL versus 1335 ng/mL) and AUC_∞ (17884 ng·h/mL). The mean half-life was 11.1 hours in females and 7.6 hours in males. The apparent volume of distribution of metaxalone was approximately 22% higher in males than in females, but not significantly different when adjusted for body weight. Similar findings were also seen when the previously described combined dataset was used in the analysis.

Hepatic/Renal Insufficiency: The impact of hepatic and renal disease on the pharmacokinetics of metaxalone has not been determined. In the absence of such information, SKELAXIN should be used with caution in patients with hepatic and/or renal impairment.

INDICATIONS AND USAGE

KELAXIN (metaxalone) is indicated as an adjunct to rest, physical therapy, and other measures for the relief of discom-forts associated with acute, painful musculoskeletal conditions. The mode of action of this drug has not been clearly identified, but may be related to its sedative proper-ties. Metaxalone does not directly relax tense skeletal muscles in man. cles in man

Known hypersensitivity to any components of this product Known tendency to drug induced, hemolytic, or other anemias red renal or hepatic function Significantly impa

WARNINGS SKELAXIN may enhance the effects of alcohol and other CNS

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CONTRAINDICATIONS