## – **VERBATIM** —

'The cost of fixing [the system by which physicians are reimbursed] may be high, but the reason it's high is because the hole is so deep—and we didn't dig that hole. All we're asking is to fill in that hole so we're breaking even.'

> Robert Doherty, senior vice president for governmental affairs and public policy with the American College of Physicians, page 30

# **Biologics Don't Drive** Up Risk of Uveitis in JIA

## BY NANCY WALSH New York Bureau

SAN ANTONIO — Certain children with juvenile idiopathic arthritis are at risk for developing uveitis, but treatment with biologic agents does not increase this risk, Rotraud K. Saurenmann, M.D., said at the annual meeting of the

### Carcinogenesis, Mutagenesis, Impairment of Fertility

ucronopsensis, Mutagenesis, Impairment of Fartitity No corricoperi edito of melocare was observed in relist given oral doess up to 0.8 mg/kg/day (approximately 0.4-fold the human does at 16 mg/day for a 50 kg adub based on body surface area conversion (for 104 weeks or in more given oral doess up to 8.0 mg/kg/day (approximately 2.2-fold the human does, as noted above) for 90 weeks. Melociare was not mutagenic in an Area sassay, or clastogenic in a chromosome aberration assay with human hymbooytes and an *in* wo micronucleus test in mouse bone marrow. Melociare did not impair mile and terminal fertitity in tata cal doese up to and 5 mg/kg/day, respectively (13-fold and 2.5-fold the human does, as noted above), However, an increased above) was observed in rate wind nume were given meloscam 2 weeks prior to mailing and Aregnany employment. Pregnancy

### Pregnancy

Teratogenic Effects: Pregnancy Category C.

Terotopenic Effects: Pregnancy Category C. Mexiconnic quade an increased increasion of statul defect of the least, a rare event, all on ord Mexiconnic quade and an increased increasion of statul defect of the least, a rare event, all on ord Mexiconnic quade and an increased increasion of statul defect of the least, a least of a statul even even oversionity and enhonolettality at ond close 2.5 mg/s/day (5.4-bid the human does, as noted above) when rabitative wre testeld throughout cragonogeness. Mexicoan was not testogene in mats up to an ord close of 4 mg/s/day (sppcnomative) 2.4-bid the human does, as ratic vere given ord closes 2.1 mg/s/day (sppcnomative) 2.4-bid the human does, as ratic vere given ord closes 2.1 mg/s/day throughout closen granogenesis. Mexicoan vocases the placental barrier. There are no adequate and wide-controlled studies in pregnant women. MGBC which close to add closes 2.5 mg/s/day throughout closes (statul existing the placental plants) the factors. Nonteratogenic Effects

Nontreargenic Errects: Mexican cause and exturbin in birth index, live births, and neonatal survival at oral does a 0.12 might by legonomically 0.07-fold the human closes at 5 mg by loss patients is a strained of the solution of the solution of the solution of the distance precisi. Any solution have been concluded to evaluate the effect of metocause on the closure of the ductus anteriorus in humans; use of meloxeam during the third trimester of preparing should be evolded.

abor and Delivery Labor and Delivery Studies in rats with meloxicam, as with other drugs known to inhibit prostaglandin synthesis, showed an increased incidence of stilliotifus, increased length of delivery time, and delayed parturition at oral dosages 2-1 mg/kg/day (approximately 0.5-fold the human dose at 15 mg/day for a 50 kg adult based on body surface area conversion), and decreased pup survival at an oral tot a So kg adult best of hours strate area conversion, and becreased up surved a dose of 4 mg/kg/day (approximately 2.1-fold the human dose, as noted above) the organogenesis. Similar findings were observed in rats receiving oral dosages 20.125 mg (approximately 0.07-fold the human dose, as noted above) during late gestation and the i

## Nursing Mothers

And any movine's Studies of melocitam excretion in human milk have not been conducted; however, meloxicam was excreted in the milk of lactating rates at concentrators higher than those in plasma. Because of the potential for exercise adverse reactions in nursing relations than MORIC, advections than the exercise of the drug to the mathematic of discontinue the drug, laking into account the importance of the drug to the mathematic

Importance of the drug to the Internet. Pediatric Use Statey and effectiveness in pediatric patients under 18 years of age have not been established. **Centratic Use** Centratic Use Centratic Use

Caution should be exercised in treating the elderly (65 years and older). **ADVERSE REACTIONS** The MOTION

ADVERSE FEACTIONS The MOBIC phase 2/3 clinical trial database includes 10,122 OA patients and 1012 RA patients treated with MCBIC 7.5 mg/day, 9305 OA patients and 1351 RA patients treated with MCBIC 15 mg/day. MCBIC at these doses was administered to 651 patients for at lased in entry and to 312 patients for at least one year. Approximatily 10,500 of these patients were treated in its placebo and/or active-controlled orderactivities treats and 2305 of these patients were treated in the control of the control of orderactivities treats and 2305 of these patients were treated on the placebo and/or active-controlled orderactivities treats and 2305 of these patients were treated on the placebo and/or active-controlled orderactivities treats and 2305 of these patients were treated on the control of orderactivities treats and 2305 of these patients were treated on the control of orderactivities treated and the control of orderactivities treats and 2305 of these patients were treated on the control of orderactivities treats and 2305 of these patients were treated on the control of orderactivities the control of orderactivities treats and 2305 of these patients were treated on the control of orderactivities the treated on the control of orderactivities treats and 2305 of these patients were treated on the control of orderactivities the treated on the control of orderactivities the control of orderactivities the treat of the control of orderactivities the treated on the control of orderactivities the treat of the control of orderactivities the treated on the control of orderactivities the control of orderactivities the treat of the control of orderactivities the treated on the packed and on adding active-controlled intermaticial artificities traits. Gastrointestinal (G) adverse events were the most frequently reported adverse events in all treatment groups across MOBIC traits. A 12-week multicenter, double-blind, randomized trial was conducted in patients

\* 12 whole maintainer, obtained same, international main material material and the second strain and second str ith placebo and nized trials were co ty of MOBIC with p In patients with mean atom atoms to compare the encacy and assay of MuEsL with pacedo. The following adverse events (%) occurred in 2.9% of MOBIC 3.7 ang daily (in-156) patients, respectively, in a 12-week obtainating placebo- and 4.9% failutions. 2.5% 3.2% means. 3.9% 3.3% according to a straight of the following straight of the following daily (in-15%, 6.1%, 6.1%, 6.1%), influenza-like symptoms, 4.5%, 5.8%, dazense, 2.6%, 3.8%, haskador, 7.9%, 6.3%, planying 16, 6%, 3.2%, upper respiratory trut influenci. 2.4% 1<sup>2</sup>. 2.6%. 0.6%

owing adverse events (%) occurred with MOBIC 7.5 mg daily patients treated, respectively, in short-term (4-6 weeks) and long-te shactive-comboiled octeoarthritis trials: abdominal pain 2.7% 4.7% constinued 5. about this is a second s 1.8%; diarrhea, 1.9%, 5.9%; dyspeps %, 4.7%; vorniting, 0.6%, 1.8%; edemat, %; headache, 2.4%, 3.6%; anernia, 0.1% %; insomnia, 0.4%, 3.6%; coughing, 0.2
 puritus, 0.4%, 2.4%; rash<sup>2</sup>, 0.3%, 3.0%; coughing, 0.2

fection. 03%, 4.7%. the following adverse events (%) occurred with MOBIC 15 mg daily in 2% of patients treated, respectively, in short-term (4-5 week) and long-term motify addres-consolide of occurrentities hask addresing fairs. 2%, 2% operations, motify addresserver and the state of the state of the state of the state motify addresserver and the state of the state of the state motify addresserver and the state of the state of the state state of the state of the state of the state of the state state of the state of the state of the state of the state state of the state of the state of the state of the state state of the state of the state of the state of the state state of the state state of the state state of the state state of the state state of the state state of the s

1WHO preferred terms edema, edema dependent, edema peripheral and edema legs combined. 2WHO preferred terms rash, rash erythematous and rash maculo-papular combined.

WHO preferred terms rash, rash enythematous and rash maculo-papular combined. The following adverse events (%) occurred respectively with MOBIC 7.5 and 15 mg daily in: 25% of patients treated in two 12-week rheumatoid arthritis placebo controlled trials: addommin jam NoRS, 29%, 23%, damka NOS, 43%, 34%, stopperts ogns and symptoms, 53%, 40%, rausae3, 33%, 35%, influenza like liness<sup>2</sup>, 29%, 23%, upper respiratory tark intections-pathogen class unspecified, 7.0%, 65%, joint related signs and 1.5%, 2.3%; musculoskeletal and connective tissue signs and sympl headaches NOS<sup>2</sup>, 6.4%, 5.5%; dizziness (excl vertigo)<sup>2</sup>, 2.3%, 0.4%; MedDRA high level term (preferred terms): dyspeptic signs and symptoms (dyspepsia

visuuchen lagt i eine laimi, pereintei teimis, olyspepic sigts and syntpoints (olyspepis, spressenteit, encutation, apactinitestinai mittation), upper responsitory tract infectore-saftogen unspecified (langragits NGS, phangragits NGS, picatestisted signs and syntpolins (phragits), anthraigis aggravated), pint restation, joint evaluated signs and musculoskeletal and connective tissue signs and symptoms NEC (back pain, back pain garvated), musculoskeleta pain.

<sup>2</sup>MedDRA preferred term: diarrhea NOS, abdominal pain NOS, influenza like illness, headaches NOS, dizziness (excl vertigo), and rash NOS.

Higher doses of MOBIC (22.5 mg and greater) have been associated with an increased risk of senious GI events; therefore the daily dose of MOBIC should not exceed 15 mg. The following is a list of adverse drug reactions occurring in < 2% of patients receiving MOBIC in clinical trials involving approximately 16,200 patients. Adverse reactions reported only in worldwide ocst-marketine experience or the literature are shown in tatics and are considered rare

rcd.139.
Rody as a Whole: allergic mactor, anaphytichol/ nactors including shock, face edema, fatigue, feer, hot fushes, malese, syncope, weight diorease, weight nonesse Cardiovascular angine pactors, cardia claitare, hoperhenion, hoperania inflanction, vacatilia, Cantali and Peripheral Nervous System convulsions, paresthesis, termor, vertigo. Castrointestina, colis, dy mouth, ducidenti ulore, neutation, responsible, sparso ulor, ducidenti ulore, thereare, and thereare, and thereare and the system convulsions, paresthesis, termor, vertigo. Castrointestina, colis, dy mouth, ducidenti ulore, neutation, resphanes, termor, vertigo. ducidenti ulore, herrorinagi castroi ulore, ristentia toucarite. Heart Rete and Rhythme arrhythms, papitation, tachcardia Hematologic: agranulocytosis, laukopenia, purpura, thornbocopteni, papiternov, astrone, Skinna Adpanesi, Allancharadi, Cardinali and Cardinal ulore, herrorinagi castroi, ulor, storatiti use and Site you and Ulaborenia, GCT Disorderes: abnorma dinaming, anvelu, apotte increased, containd, derension, partura, angioadam, bulos exploino, eyrhama multimme, photeamistikin neordysa, unclass, Skinard Agencias, atoxicas, angioadam, bulos exploino, eyrhama multimme, photeamistikin neordysa, unclass, Sciences, Science, Sciences, Sciences, Jose, Sciences, Skinard Agencias, abuncias, and the stand Site of Sciences, and and the standard sciences, and and the standard sciences, and and the standard sciences, OVERDOSAGE

re is limited experience with meloxicam overdose. Four cases have taken 6 to 11 times the tecommended dose; all recovered. Cholestyramine is known to accelerate the clearance

Ingress tracommense does an ecovered. Undersystemine is shown to accentate the destrator ingress tracommense does an ecovered in the set of the set of the set of the symptoms following active NSAD overdes are usually interfed to therups, downless, natures, wornting, and epigastro pain, which are generally reversible with supportive care. Gastrointestinal biological care occurs. Severe posicioning may result in hypothenision, acute remain faiture, heppide dysfunction, respiratory depression, coma, comvisions, cardiovascular collapse, and cardiac may occur following an overdose. Patients should be managed with symptomatic and supportive care following an NSAD overdose. In cases of audit overdose, gastric larges followed by activated charcoal recommended. Gastric large performed more than one hour after overdose has ittle lement in present 1-2 hours after overdose. For sublantial overdose or severity experionatio patients activated charcoal may be administered repetated/x, Accelerated removal of metoxicam by 4 gm coll does of charlesymme may be usual, tollowing an overdose. Forced durates, Administration of challesymme may be unauti, tollowing and activate by 4 gm coll does of charlesymme may be usual, tollowing an overdose. Forced durates, administration of challesymme may be usual, tollowing an overdose. Forced durates, administration of challesymme may be usual, tollowing an overdose. Forced durates, administration of challesymme may be usual, tollowing an overdose. Forced durates, administration of challesymme may be usual, tollowing an overdose. Forced durates, brinding.

Copyright © 2004. Boehringer Ingelheim Pharmaceuticals. Inc. All rights reserved

Boehringer Ingelheim

MR-9987R



American College of Rheumatology.

Tumor necrosis factor (TNF)-α therapy has been used successfully to treat pediatric uveitis, but concern has arisen because there have been reports of cases of new-onset JIA-associated uveitis occurring during treatment with these drugs.

In an effort to clarify a possible link between anti–TNF- $\alpha$  treatment and uveitis, Dr. Saurenmann and her colleagues at the Hospital for Sick Children, Toronto, performed a retrospective chart review of all children with a diagnosis of JIA treated at her center between 1996 and 2003.

Among the 1,109 patients identified, 145 had developed uveitis sometime in the course of their disease and so were considered to be at risk for subsequent episodes. Among those with the ocular complication, 87 had been treated with anti-TNF-α therapy.

However, in 17 cases, the uveitis predated the anti–TNF- $\alpha$  treatment, so a causal effect was ruled out.

In the 70 remaining patients treated with anti–TNF- $\alpha$  therapy, there were 2 cases of new-onset uveitis, both in patients receiving etanercept.

One of the patients with new-onset uveitis had a 4-year history of psoriatic arthritis, and the other patient had had oligoarticular JIA for 6.4 years.

Cox regression analysis was carried out for these 70 patients, using new-onset uveitis as the primary end point and anti–TNF- $\alpha$  as a time-dependent variable.

There was no statistically significant difference in risk of uveitis between patients with and without a history of taking anti-TNF-α therapy, Dr. Saurenmann noted during her presenation.

And when the possible association between uveitis and biologic therapy was analyzed according to JIA subtypes, those with oligoarticular JIA had an increased risk, as did those who were antinuclear antibody (ANA) positive and rheumatoid factor (RF) negative, she said.

Patients who developed JIA at a young age also were at increased risk, and the ocular complication typically occurred early in the course of disease.

Children with psoriatic arthritis also are at risk, but those with RF positive and systemic onset JIA are not.

"So we asked ourselves which at-risk patients would be eligible for anti-TNF-a treatment, and that would be those with oligoarticular disease; those with polyarticular, RF-negative disease; and those with psoriatic JIA," she said.

A total of 434 patients fell into those groups; 45 of these had received anti–TNF-α treatment.

But once again Cox regression analysis found no difference in risk between those with and without anti–TNF-α treatment, she said.

"We concluded that anti–TNF-α therapy does not alter the risk for the development of new onset uveitis in children with JIA," she said.