# MRSA Eyed as Pathogen in Girls' Genital Abscesses

### BY SHARON WORCESTER Tallahassee Bureau

NEW ORLEANS — A recent series of "curious" cases of large vulvar or labial abscesses in previously healthy children were associated with methicillin-resistant Staphylococcus aureus and represent the first reported cases of such abscesses in the pediatric and adolescent population, S. Paige Hertweck, M.D., reported at the annual meeting of the North American Society for Pediatric and Adolescent Gynecology.

Six patients, aged 2, 16, and 17 months and 3, 12, and 16 years, presented during 2004 with vulvar or labial abscesses requiring debridement and drainage. All had confirmed S. aureus infection, and five of the patients had MRSA.

The MRSA cases presented initially with a red papule that progressed rapidly.

By day 2 a fulminant abscess extended significantly beyond the labia. The ab-

scesses had an area greater than 5 cm. After debridement and 48-72 hours of

continuous drainage, all patients were treated with antibiotics. The use of small incisions at each end of the abscess cavities allowed digital manipulation, and the use of a small Penrose drain threaded through each incision and tied to itself allowed continuous drainage that negated the need for extensive packing, which can be difficult in children.

None of the children had typical risk fac-

effects in the nursing infant have not been documented, withdrawal can occur in breast-feeding infants when maternal administration of an opioid analgesic is discontinued. Because of the potential for services adverse reactions in nursing infants from the oxycodone present in Combunox, a decision should be made whether to discontinue nursing or to discontinue the drug, taking into account the importance of the drug to the mother. **Pediatric Use**In the placebo-controlled, clinical studies of pain following the mother.
The ages of 14 and 17 years were stated on the second state of the drug to the mother.

thric Use placabe-controlled, clinical studies of pain following dental surgery. 109 patients between ges of 14 and 17 years were administered a single dose of Combunox. No apparent differs were noted in the safety of Combunox in patients below and above 17 years of age bunox has not been studied in patients under 14 years of age.

Combuncts has not been student in patients under 1+ years of upper Seriatric Use Seriatric Use 20 He total number of subjects in clinical studies of Combunos, 89 patients were 65 and over, while 37 patients were 75 and over. No overall differences in safety were observed between these subjects and younger subjects, and other reported clinical experience has not identified differences in responses between the diefly and younger patients, but greater sensitivity of some older individuals cannot be nuled out. However, because the elderly may be more sensitive to the renal and gastrointestinal effects of norsteroidal anti-inflammatory agents as well as possible increased risk of respiratory depres-sion with opticits, extra cation should be used when treating the elderly with Combunox. <u>Extract Processon</u>

	(n=923)	lbuprofen (n=913)	Oxycodone HCI (n=286)	(n=315)
Digestive				
Nausea	81 (8.8%)	44 (4.8%)	46 (16.1%)	21 (6.7%)
Vomiting	49 (5.3%)	16 (1.8%)	30 (10.5%)	10 (3.2%)
Flatulence	9 (1.0%)	7 (0.8%)	3 (1.0%)	0
Nervous System				
Somnolence	67 (7.3%)	38 (4.2%)	12 (4.2%)	7 (2.2%)
Dizziness	47 (5.1%)	21 (2.3%)	17 (5.9%)	8 (2.5%)

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 15 (1.6%)
 7 (0.8%)
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 Adverse events that were reported by at least 1% of patients taking Combuncs but were observed at a greater incidence in the placebot treated patients were fever, fneadache and prurifus.

 Adverse events that occurred in less than 1% and in at least two Combuncs treated patients in Single Does studies not listed bove include the following: Body as Whole: addominal pain, asthenia, chest pain, entarged abdoment. Cardiovascular System: hypotension, syncope, tachy-endia, iscontia, increasing, system: constpation, dry mouth, dyspepsia, eructation, ileus.

 Hemic and Lymphatic System: unimary retention.
 Adverse events that occurred in the Multiple Does study in at least 2% of patients treated with Combunox include the following: Body as Whole: adhomin (4.5%), headache services (12.5%), sonnolence (17.4%).

 Adverse events that occurred in less than 2% of and at least two Combunox treated patients in cardiovascular System: constpatient (4.5%), headache exerting in the Multiple Does study in at least 2% of patients treated with Combunox include the following: Body as Whole: asthemia (3.3%), fever (3.0%), headache (1.2%), Cardinag (2.1%), ospensia (2.1%), ospensia (2.1%), asthemic (3.5%), Nervous System: citiziness (19.2%), sonnolence (17.4%).

 Adverse events that occurred in less than 2% of and at least two Combunox treated patients in cheating in the Multiple Does study in at least by a sthole: adhemic and Lymphatic System: attritional Disorders: hypokalemic ast, hyperkinesia, hypertonia. Skin and Appendager: sah. Special Sector: hypokalemic: hypokalemic and Lymphate System: attritional Disorders: hypokalemic ast, hyperkinesia, hypertonia. Skin and Appendager: sah. Special Sector: hypok DRUG ABUSE AND DEPENDENCE

trequency.
PROVENENCE
PROVIDENCE
Combuncy contains oxycodome, which is a mu-opioid agonist with an abuse liability similar to
other opioid agonists and is a Schedule II controlled substance. Combunxo, and other opioids
used in analgesia, can be abused and are subject to criminal diversion.
Addiction is a primary, chronic, neurobiologic disease, with genetic, psychosocial, and environmental factors influencing its development and manifestations. It is characterized by behaviors
that include one or more of the following: impaired control over drug use, compulsive use, conTung seeking. Dehavior is very common in addicts and drug abusers. Drug-seeking tartics
include emergency calls or visits near the end of office hours, refusal to undergo appropriate
examination, testing or referrar, repeated "Oss" of prescriptions, tampering with prescriptions
and reluctance to provide prior medical records or contact information for other treating physical (S). Doctor shoping if to othat additional prescriptions is common among drug abusers
and people suffering from untreated addiction.
Abuse and addiction are separate and distinct from physical degendence and tokernace. Physical
dependence usually assumes clinically significant dimensions after several days to weeks of
continuous opiol use. Tolerance, in which interasting bit have of opioids concourin
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Problem tore norm-medical use. Record-keeping of prescriptions, the other duration or oral to provide
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Combunos apploid use. Tolerance, strong as a pregurina

OVENDOSAGE Following an acute overdosage, toxicity may result from oxycodone and/or ibuprofen. Signs and Symptoms: Acute overdosage with oxycodone may be manifested by respiratory depression, somnolence progressing to stupor or coma, skeletal muscle flaccidity, cold and clammy skin, constricted pupils, bradycardia, or hypotension. In severe cases death may occur. The toxicity of ibuprofen overdose is dependent on the amount of drug ingested and the time elapsed since ingestion, although uncommon, serious toxicity and death have been reported in the medical literature with ibuprofen overdosage. The most frequently reported symptoms of thervices, include abdominal pain, nausea, wontling, lethargy, and drowsiness. Other central nervous system symptoms include headache, timnitus, CNS depression, and seizures. Cardivascular toxichy, including hypotension, bradycardia, tachycardia, and atrial fibrillation, have also been reported.

have also been reported. Treatment: In the treatment of opioid overdosage, primary attention should be given to the re-establishment: In the treatment of opioid overdosage, primary attention should be given to the re-establishment: In due to orgen and vasopressors) should be employed in the management of circulatory shock and pulmonary defema accompanying overdose, as indicated. Cardiac arrest or anryth-mism any require cardiac massage or defibriliation. The narotic antagonist natoxen bydrochlo-ride is a specific antidote against respiratory depression, which may result from overdosage or hydrochloride should be administered including oxycone may exceed that of the natoxen, the patient should be kept under continuous surveillance and repeated doses of the antagonist should be administered as needed to maintain adequate respiration. Management of hydrochlo-sion, addosis and gastrointestinal bleeding may be necessary. In cases of acute overdose, the stomach should be dempt under continuous surveillance and repeated doses of the antagonist tered activated charcoal may help in reducing the absorption and reabsorption of buproten-tenesis is most fetcher in initiated vithin 30 minutes of ingestion. Induced emesis is not rec-ommended in patients with impaired consciousness or overdoses greater than 400 mg/kg of the buprofen component in children because of the risk for convulsions and the potential for aspi-ration of gastric contents. ommended in patients with ibuprofen component in c ration of gastric contents. A Schedule CII Narcotic

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tors for MRSA, although three did have household contacts with lesions that might have been associated with MRSA. All the infections were sensitive to clindamycin, Bactrim (trimethoprim-sulfamethoxazole), and vancomycin, Dr. Hertweck noted.

MRSA should be considered in all patients presenting with rapidly progressing vulvar or labial erythema. Aggressive treatment with incision and drainage in such cases is warranted, she said, noting that a limited incision site and the use of a Penrose drain are recommended in children. Appropriate antibiotic therapy should also be initiated.

'While our sensitivities may not translate to your community, it might be appropriate to start with something like clindamycin," she said.

## Community-Acquired MRSA **Expands Range**

BETHESDA, MD. — Community-acquired methicillin-resistant Staphylococcus aureus was three times more prevalent than nosocomial MRSA in a small, nonteaching community hospital, reported Ananthakrishnan Ramini, M.D., at the annual conference on antimicrobial resistance sponsored by the National Foundation for Infectious Diseases.

MRSA was once limited to tertiary care centers and large hospitals but is rapidly becoming a dominant community pathogen, said Dr. Ramini, a physician at Columbia Memorial Hospital, a 192-bed facility in Hudson, N.Y.

Dr. Ramini and his colleagues conducted a prospective study of all MRSA infections in the hospital from January to December 2004. The investigators identified 78 cases of MRSA, of which 58 (74%) were community-acquired. The definition of community-acquired infection was an infection that surfaced within 48 hours of hospital admission.

Among the 51 patients older than 70 years, 47 had MRSA resistant to both clindamycin and erythromycin, which suggests more comorbidities in older patients, Dr. Ramini said. None of the organisms was resistant to oxacillin. In addition, more of the MRSA cases (both community-acquired and nosocomial) occurred outside than inside the ICU (56 vs. 22).

There was a very high mortality among these patients," Dr. Ramini noted.

Of the infected patients, 21 died, 39 were discharged to a nursing home, 15 went home, and 3 entered a tertiary care facility.

What was surprising was that community MRSA was so much more prevalent than nosocomial MRSA," Dr. Ramini said. "We need to be aware that treatment with a  $\beta$ -lactam alone is no longer a reliable empiric therapy," he added. He had no conflicts of interest to report.

—Heidi Splete

## Combunox≻ (Oxycodone HCI and Ibuprofen) Tablets 5 mg/400 mg FOREST I ARORATORIES

COREST LABORATORIES CII Rx only Srief Summary: For complete details, please see full prescribing information for Combunox. NDICATIONS AND USAGE Sombunox tables are indicated for the short term (no more than 7 days) management of acute, noderate to severe pain.

CONTRAMENTATIONS CONTRAMENTS AND AND A STATEMENT AND A STATEME

Patients known to be hypersensitive to other oppidis may exhibit cross-sensitivity to oxycoone. **WARNINGS** Misuse Abuses and Diversion of Opioids Combunox contains oxycodone, which is an opioid agonist, and a Schedule II controlled substance. Opioid agonists have the potential for being abused and are sought by abusers and people with addiction disorders, and are subject to diversion. Combunox can be abused in a manner similar to other opioid agonists, legal or illicit. This should be considered when prescribing or dispensing Combunox in situations where the physi-cian or pharmacist is concerned about an increased risk of misuse, abuse or diversion (see DRUG ABUSE AND DEFENDENCE).

Undo actocs AND DEFENDENCE). Reprintatory Depression Daycodone may produce dose-related respiratory depression by acting directly on the brain stem respiratory centers. Dycodone HCI also affects the center that controls respiratory rhythm, and may produce irregular and periodic breathing. Respiratory depression occurs most frequently in deferred patients, usually following large initial doses in non-loterant patients, or when opioids are given in conjunction with other agents that depress respiratory. Combunox should be used with externe caution in patients with significant chronic obstructive pulmonary disease or cor pulmonale, and in patients having substantially decreased respiratory reserve, typoxá, hypercapnia, or pre-existing respiratory depression. In such patients, even usual thrapeutic doses of Combunox may decrease respiratory dive to the point of agnea.

Effect Ifice all opioid analgesics, may cause severe hypotension in an individual whose abil-like all opioid analgesics, may cause severe hypotension in an individual whose abil-nai hood pressure has been compromised by a depleted blood volume, or after con-ministration with drugs such as phenothiazines or other agents which compromise tone. Combunov may produce orthostatic hypotension in ambulatory patients. like all opioid analgesics, should be administered with caution to patients in circu-k, since vasoditatation produced by the drug may further reduce cardiac output and sure.

latory shock, since vasoularatum provinces, a model block pressure blood pressure Head Injury and Increased Intracranial Pressure The respiratory depressant effects of opioids and their capacity to elevate cerebrospinal fluid pressure may be markedly exagerated in the presence of head injury, intracranial bisions or a pre-existing increase in intracranial pressure. Furthermore, opioids produce adverse reactions that may obscure the clinical course of patients with head injuries. Acute Abdominal Conditions The administration of opioids may obscure the diagnosis or clinical course of patients with acute

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strointestinal (GI) Effects using satoritotisetinal toxicity, such as inflammation, bleeding, ulceration, and perforation of stomach, small intestine or large intestine, can occur at any time, with or without warning phores, in patients treated with non-stroidal anti-inflammatory drugs (INSADS) such as profer. Minor upper GI problems, such as dyspepsia, are common and may also occur at any euring INSAD therapy. Therefore, physicians and patients should remain alert for ulceration bleeding even in the absence of previous GI tract symptoms. Even short term therapy is not hourt risk.

c. uod be prescribed with extreme caution in those with a prior history of ulcer disease testinal bleeding. Most spontaneous reports of fatal GI events are in elderly or debil-nts and, therefore, special care should be taken in treating this population. To min-loratinal risk for an adverse GI event the treatment period should be of the shortest ration. For high risk patients, alternate therapies that do not involve NSAIDs should or the shortest the store therapies that do not involve NSAIDs should or the shortest the store therapies that do not involve NSAIDs should or the store to the store th

onsidered. ddition to a past history of ulcer disease, pharmacoepidemiological studies have identified rai other co-therapies or co-morbid conditions that may increase the risk for GI bleeding h as: treatment with oral corticosteroids, treatment with anticoagulants, longer duration of herapy, smoking, and alcoholism. actoid Reactions

Anaphylactofd Reactions may occur in patients without known prior exposure to Combunox. Anaphylactoid reactions may occur in patients with the aspirin triad or a history of angioedema. The Combunox should not be given to patients with the sapirin triad or a history of angioedema. The combunox should be given to patients with the sapirin triad or a history of angioedema. The combunox should be given to patients with the sapirin triad or a history of angioedema. The combunox should be given to patients with a biorochospasm after taking appining or dire (NSAIDS, Falal page 2000, 1990,

Advanced Renal Disease Advanced Renal Disease In patients with advanced kidney disease, treatment with Combunox is not recor However, if Combunox therapy must be initiated, due to the NSAID component, closs ing of the patient's kidney function is advisable (see PRECAUTIONS - Renal Effects). Prenancy

Ing or the patient's Adding unicod is advisading see PreCedUrions' Prend Cledus). Pregnancy As with other NSAID-containing products, Combunos should be avoided in late pregnancy because it may cause premature closure of the ductus ateriosus. Interactions with Alcohol and Drugs of Abuse Oxycodone may be expected to have additive effects when used in conjunction with alcohol, other opoids, or illicit drugs that cause central nervous system depression. PRECAUTIONS General

ı Rick Pationt

Special Risk Patients As with any opioid analgesic agent, Combunox tablets should be used with caution in elderly or debilitated patients, and those with severe impairment of hepatic, pulmonary or renal function, hypothyroidism, Addison's disease, acute achonolism, convulsive disorders, CNS depression or coma, delirium tremens, kyphoscoliosis associated with respiratory depression, toxic psy-chosis, prostatic hypertrophy or uretinal stricture. The usual precutations should be observed and the possibility of respiratory depression, postural hypotension, and aftered mental states

and the possibility of respiratory depression, postural hypotension, and anered memory should be kept in mind. Use in Pancreatic/Bilary Tract Disease Combunox may cause spasm of the sphincter of Oddi and should be used with caution in patients with bilary tract disease, including acute pancreatitis. Opioids like Combunox may cause increases in the serum amylase level. Cough Reflex Dycodone suppresses the cough reflex, as with other opioid containing products, caution should be exercised when Combunox is used postoperatively and in patients with pulmonary disease.

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thus diminishing time tuning as ungrease and lectious, nonifammadroy paint locontitions. Hepatic Effects As with other NSAIDS, ibuprofen has been reported to cause borderline elevations of one or more liver enzymes; this may occur in up to 15% of patients. These abnormalities (3 times he upper limit of normal) elevations of SBPT (ALT) or SBOT (AST) occurred in controlled cli-iati trais in less than 1% of patients. A patient with wymptoms and/or signs suggesting liver dystanction, or in whom an abnormal liver test has occurred, should be evaluated for evidence of the development of more severe hepatic reactions while on therapy with Combunox. Severe hepatic reactions, including jaundice and cases of tatal hepatitis, have been reported with lupurofen as with other NSAIDs. Athough such reactions are rare, if abnormal liver tests persist or worsen, if clinical signs and symptoms consistent with liver disease develop, or if system. RandetEdts

Manifestations occur (e.g. consistent of the second of the

Caution is also recommended in patients while proceeding and the second second

precipitate overt renal decompensation. Patients at greatest risk of this reaction are those with impaired renal function, heart failure, liver dystunction, those taking diuretics and ACE inhibitors, and the elderly. Discontinuation of nonsteroidal anti-inflammatory drug therapy is usually fol-lowed by recovery to the pretreatment state. Ibuprofer metabolities are eliminated primarily by the kidneys. The extent to which the metabo-lites may accumulate in patients with renal failure has not been studied. Patients with signifi-cantly impaired renal function should be more closely monitored. Cantly impaired renal function should be more closely monitored. Hematological Effects Ibuprofen, like other NSAIDs, can inhibit platelet aggregation but the effect is quantitatively less and of shorted duration than that seen with aspirin. Ibuprofen has been shown to prolong bleed-ing time in normal subjects. Because this prolonged bleeding effect may be exaggerated in platents with underlying hemostatic defects, Combunox should be used with caution in persons with intrinsic coaguiation defects and those on anticoaguiant therapy. Anemia is sometimes seen in patients receiving INSAIDs, including louprofen. This may be due to fluid retention, GI loss, or an incompletely described refect upon erythropolesis. Fluid Retention and Edema Their detention and Edema should be used with caution in patients with a history of cardiac decompensation, hypertension or heart failure.

art failure. existing Asthma nts with asthma

Pre-existing Asthma Patients with asthma may have aspirin-sensitive asthma. The use of aspirin in patients with aspirin-sensitive asthma has been associated with severe bronchospasm, which may be fatal. Since cross-reactivity between aspirin and other NSAIDs has been reported in such aspirin-sensitive patients, Combunox should not be administered to patients with this form of aspirin sensitivity and should be used with caution in patients with pre-existing asthma. Aseptic Meningitis

Aseptic Meninghts Aseptic meninghts with fever and coma has been observed on rare occasions in patients on buprofen therapy. Although it is probably more likely to occur in patients with systemic lupus erythematosus and related connective tissue diseases, it has been reported in patients who do not have an underlying chronic disease. It signs or symptoms of meninghts develop in a patient on Combunox, the possibility of its being related to buprofen should be considered. In the university of the set o

thy than prescribed mox, like other drugs containing ibuprofen, is not free of side effects. The side effects of fungs can cause discomfort and, rarely, there are more serious side effects, such as gas-stinal bleeding, which may result in hospitalization and even fatal outcomes. Patients be instructed to peopt any signs or symptoms of gastrointestinal bleeding, blurred vision are ye problems, skin rash, weight gain, or edema.

or other eye problems, skin rash, weight gain, or edema. Laboratory Tests A decrease in hemoglobin may occur during Combunox therapy, and elevations of liver enzymes may be seen in a small percentage of patients during combunox therapy (see PRECAUTIONS -Hematological Effects and PRECAUTIONS - Hepatic Effects). In patients with severe hepatic or renal disease, effects of therapy should be monitored with liver and/or renal function tests.

vcodone is evodone is metabolized in part to oxymorphone via the cytochrome P<sub>art</sub> isoenzyme CYP2D6. ile this pathway may be blocked by a variety of drugs (e.g., certain cardiovascular drugs and idepressants), such blocked has not yet been shown to be of clinical significance with this mit. However, clinicans should be aware of this possible interaction. Cicholinergics: The concurrent use of anticholinergics with oxycodone preparations may pro-o anardvic iaux.

duce paralytic ile CNS Depress Anticholinergics: The concurrent use of anticholinergics with oxycodone preparations may pro-duce paralytic lieus. CNS Depressants: Patients receiving narcotic analgesics, general anesthetics, phenothizanes, CNS Depressants: Patients receiving narcotic analgesics, depressants (including alcohol) concomi-tantly with oxycodone may exhibit an additive CNS depressants (including alcohol) concomi-tantly with oxycodone may exhibit an additive CNS depressants (including alcohol) concomi-tantly with oxycodone may exhibit an additive CNS depressants (including alcohol) concomi-tantly with oxycodone may exhibit an additive CNS depressants (including alcohol) concomi-tantly with oxycodone may exhibit an additive CNS depression, Interactive effects resulting in explanted. The does of one or both appents should be reduced. Mixed Agonist/Antagonist Opicid Analgesics: Agonist/antagonist analgesics (i.e., pentazocine, inhusphene, butorphanei and buprenorphine) should be administered with caution to patients with have received are receiving accursed in therapy with a pure opicid agonist analgesics such as oxycodone. In this situation, mixed agonist/antagonist analgesics may reduce the analgesic effect of oxycodone and/or may precipitate with/tarvak symptoms in hieve patients. Moncamine Doxibase inhibitors (MADIs): havb even reported to intensity the effects of at stastor exploid drug causing analytic, contaison and significant depression of respiration or coma. The use of oxycodone is not recommended for patients taking MADIs or within 14 days of stopping such torbatime. Neuromuscular Blocking Agents: Dxycodone, as well as other opicid analgesics, may enhance degree of respiratory depression.

buproten ACE-Inhibitors: Reports suggest that NSAIDs may diminish the antihypertensive effect of ACE-Inhibitors. This interaction should be given consideration in patients taking Combunox

E-Inhibitors: Reports suggest that NSAUs may unimust use anunyerensine encode E-Inhibitors: Brinisteraction should be given consideration in patients taking Combunox comitantly with ACE-inhibitors. Jirin: As with other products containing NSAIDs, concomitant administration of Combunox d asginin is not generally recommended because of the potential of increased adverse effects. There: hupprofen has been shown to reduce the natrituritie effect of furosamide and thaizides some patients. This response has been attributed to inhibition of renal prostaglandin synthe-terics: hupprofen has been shown to reduce the natriture if effect of throusamide and thaizides some patients. This response has been attributed to inhibition of renal prostaglandin synthe-hum: hupprofen has been shown to relevate patient should be observed closely for ns of renal failure (see PRECAUTIONS - Renal Effects), as well as diuretic efficacy. hium: hupprofen has been shown to relevate patient thibition contention and reduce renal ium clearance. This effect has been attributed to inhibition of renal prostaglandin synthe-shortorastic libuprofen. as well as other NSAIDs, has been reported to convertify patients should observed for signs of lithium toxicity. ethortoxate: libuprofen. as well as other NSAIDs, has been reported to competitively inhibit ethortoxate accumulation in rabbit kidney slices. This may indicate that buprofen could hance the toxicity of methotrexate. Caution should be used when Combunox is administered commating with methotrexate.

enhance the toxicity of methotrexate. Caution should be used when Combunov is administered concomitantly with methotrexate. Warfarin: The effects of warfarin stark SAIDs on GI bleeding are synergistic, such that users of both drugs together have a grateer risk of serious GI bleeding than users of either drug alone. Carcinogenicity, Mutagenicity and Impairment of Fertility Studies to evaluate the potential fects of the combination of oxycodone and ibuprofen on carcinogenicity, mutagenicity or impairment of Fertility have not been conducted.

Pregnancy Category C Animal studies to assess the potential effects of the combination of oxycodone and ibuprofen on embroy-feat development were conducted in the rat and rabbit model. Pregnant rats were treated by oral gavage with combination doess of oxycodone:ibuprofen mg/kg/day (025:00, 05:40, 1.086) or 02.0160) on days 7-16 of gestation. There was no evi-dence for developmental toxicity or teratopenicity at any dose, although matemal toxicity was noted at doses of 05:40 and above. The highest dose tested in the rat (20:1600 mg/day) on a body sur-face area (mg/mg/mb bais. This dose was associated with matemal toxicity (death, clinical signs, decreased GW).

Tace area (mg/ms) basis. This dose was associated with maternal toxicity (death, clinical signs, decreased BM). Pregnant rabbits were treated by oral gavage with combination doses of oxycodone/ibuprofen (0.38.30, 0.75.60, 1.30.120 or 3.00.240 mg/kg/day) on gestation days 7-19. Oxycodone/ibuprofen tent reatment was not treatogenic under the conditions of the assay. Maternal toxicity was noted at doses of 1.5.120 (reduced body weight and food consumption) and 3.240 mg/kg/day, is 0.75 fold the proposed maximum daily human dose based upon the body surface area. 0.76 fold the proposed maximum daily human dose based upon the body surface area. and is like/ due to maternal toxicity, as evidenced by delayd oscification and reduced fetal body weights, was noted at the highest dose, which is approximately 3 times the MRHD on a mg/m basis. There are no adequate and well-controlled studies in pregnant women. Combunox should he used during prepanery only if the potential henefit justifies the potential risk to the fetus. Because of the lixer/fetu dause problems in the unborn child (premature dosue of the ductus atteriosus and pulnomary hypertension in the fetus/neonale). Labor and Delivery

abor and Delivery ombunox should not be used during the third trimester of pregnancy due to the potential for

Combunox should not be used during the third trimester of pregnancy due to the potential for bioprefort to hithin prostagaland is synthetase which may prolong pregnancy and inhibit labor. Oxycodone is not recommended for use in women during and immediately prior to labor and delivery because or alopioids may cause respiratory depression in the newborn. **Nursing Mothers** Ibuprofen is not transferred to breast milk in significant quantities. The American Academy of Pediatrics dassified ibuprofen as compatible with breastfeeding. In studies using a 1 mog/mL assay, buprofen was not detected in the milk of lactating mothers. Oxycodone is excreted in neural milk. Withfraval symptoms and/or respiratory depression have been observed in neonates whose mothers were taking narcotic analgesics during pregnancy. Although adverse

Sion with opioids, extra caution snouu be used must access a **ADVERSE FRACTIONS** Listida below are the adverse event incidence rates from single dose analgesia trials in which a totai of 2437 patients received either Combunox, ibuprofen (400 mg), oxycodone HC (5 mg), or placebo. Adverse event information is also provided from an additional 334 patients who were exposed to Combunox in a multiple dose analgesia trial, without placebo or active component comparison arms, given up to four times daily for up to 7 days.

Adverse Events Which Occurred at a Frequency of 2 1% and at a Higher Incidence than in the Placebo Group in Single Dose Studies

 5/400 mg
 5 mg
 Placebo