CLINICAL

Shorter Tx of Chronic Hepatitis C

Twelve weeks of interferon alfa-2b plus ribavirin is just as effective as 24 weeks of the treatment in maintaining a sustained response in patients with genotype 2 or 3 chronic hepatitis C infection who respond to treatment at 4 weeks, according to the results of an open-label, randomized trial.

Alessandra Mangia, M.D., of Casa Sollievo della Sofferenza Hospital, San Giovanni Rotondo, Italy, and her colleagues conducted a trial with 70 patients randomized to a standard treatment that lasted 24 weeks (controls) while 213 patients CAPSULES

were randomized to an experimental group in which those who had an early virologic response (EVR) at week 4 received 12 weeks of treatment and those who did not have an EVR received 24 weeks of therapy (N. Engl. J. Med. 2005;352:2609-17).

Among patients who had an EVR at week 4, the rate of sustained virologic response (SVR) did not differ between control patients who received 24 weeks of therapy and those who received 12 weeks of therapy, either at the end of treatment (93% vs. 95%, respectively) or at the end of an additional 24 weeks of follow-up

(91% vs. 85%). The number of patients who reported side effects that required withdrawal from the study was significantly lower among patients treated for 12 weeks than among those treated for 24 weeks (one vs. eight patients).

Vitamin B₆ Intake and Colorectal Ca

High intake of vitamin B6 is associated with a protective effect against colorectal cancer in women, especially those who drink alcohol, reported Susanna C. Larsson of the Karolinska Institutet, Stockholm, and her associates.

In a population-based cohort study of 61,433 women, those who were in the top 20% of vitamin B₆ intake had a 34% lower relative risk (RR) of colorectal cancer than women who were in the bottom 20% of vitamin B₆ intake; this reduction was significant. Among women who drank at least 30 g alcohol (about two drinks) per week, those with the highest intake of vitamin B₆ had a 72% lower RR of colorectal cancer than women with the lowest intake (Gastroenterology 2005;128:1830-7).

The recommended daily intake of vitamin B₆ for nonpregnant women in the United States is 1.3-1.5 mg. "Findings from our study suggest that women who consume alcohol may benefit from a vitamin B₆ intake above the recommendations," the researchers wrote.

Phospholipid Tx for Ulcerative Colitis

Ingestion of phosphatidylcholine capsules during a 3-month period resulted in high rates of response and remission in patients with chronically active ulcerative colitis, according to the results of a double-blind, randomized study of 60 patients.

Release of phosphatidylcholine (PC) into the colon from capsules prompted clinical remission in significantly more patients (53%, 16 of 30) than did placebo capsules (10%, 3 of 30), reported Wolfgang Stremmel, M.D., of University Hospital Heidelberg (Germany), and his colleagues (Gut 2005;54:966-71).

Significantly more PC patients had a clinical response to treatment (90%, 27 of 30) than did those who took placebo (10%, 3 of 30); response was measured with the clinical activity index. About half of the patients in each group experienced bloating; no major adverse events occurred. The researchers noted that the effect of PC had a gradual onset and was first seen after 2-4 weeks of treatment.

H. pylori, Thrombocytopenic Purpura Eradication of Helicobacter pylori significantly improves platelet counts in patients with chronic idiopathic thrombocytopenic purpura, reported Takayoshi Suzuki, M.D., and associates from Tokai University, Isehara, Kanagawa, Japan.

Of 25 patients with chronic idiopathic thrombocytopenic purpura who tested positive for H. pylori in a randomized, placebo-controlled trial, triple therapy eradicated the bacteria in 11 of 13 patients in the eradication group.

Platelet counts improved in 6 of 13 eradication patients—either a complete response defined as more than 150×10^3 platelets/µL or a partial response defined as an increase of more than 50×10^3 platelets/ μ L—but in no placebo patients. Eradication patients increased their platelet counts from an average of 54.7 × 10^3 platelets/µL at baseline to 114.5×10^3 platelets/µL after 6 months of observation, whereas the platelet counts of control patients did not change from a level of about 48×10^3 platelets/µL (Am. J. Gastroenterol. 2005;100:1265-70).

When the investigators gave eradication therapy to 10 of the placebo patients after 6 months of observation, 4 patients had increased platelet counts; this yielded 10 of 23 patients overall with an increased platelet count. Those 10 patients had significantly higher levels of serum anti-CagA IgG antibodies than the 13 patients who did not respond to eradication therapy.

—Jeff Evans

Combunox*****≻

(Oxycodone HCl and Ibuprofen) Tablets 5 mg/400 mg

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

moderate to severe pain.

CONTRAINDICATIONS

Combunox should not be administered to patients who have previously exhibited hypersensitivity to oxycodine HOI, buproten, or any of Combunox's components, or in any studion where opioids are contraindicated. This includes patients with significant respiratory depression (in unmonitored settings or the absence of resuscitative equipment) and patients with acute or severe bronchial asthmar or hypercarbia. Combunox's contraindicated in any patient who have experienced asthma, untraina, or allerien-type reactions after taking aspirin or other NSAIDs. Severe anaphylactioid reactions to NSAIDs, some of which were tatal, have been reported in such patients (see WARNINGS - Anaphylactioid Reactions, and PPECAUTIONS - Pre-existing Asthma). Patients known to be hypersensitive to other opioids may exhibit cross-sensitivity to oxycodone.

WARNINGS.

Patients known to to to pro-WARNINGS
Misuse Abuse and Diversion of Opioids
Misuse Abuse 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 physician or pharmacist is concerned about an increased risk of misuse, abuse or diversion (see

of pressure di njury and Increased Intracranial Pressure respiratory depressant effects of opioids and their capacity to elevate cerebrospinal fluid sure may be markedly exaggerated in the presence of head injury, intracranial lesions or a existing increase in intracranial pressure. Furthermore, opioids produce adverse reactions may obscure the clinical course of patients with head injuries. Le Adominal Conditions administration of opioids may obscure the diagnosis or clinical course of patients with acute original conditions.

Gastrointestinal (GI) Effects
Serious gastrointestinal toxicity, such as inflammation, bleeding, ulceration, and perforation of
the stomach, small intestine or large intestine, can occur at any time, with or without warning
symptoms, in patients treated with non-steroidal anti-inflammatory drugs (INSAIDs) such as
bluoprofen. Minor upper GI problems, such as dyspepsia, are common and may also occur at any
time during INSAID therapy. Therefore, physiciaris and patients should remain after for ulceration
and bleeding even in the absence of previous GI tract symptoms. Even short term therapy is not
without risk.

without risk.

NSAIDs should be prescribed with extreme caution in those with a prior history of ucer disease or gastrointestinal bleeding. Most spontaneous reports of fatal GI events are in elderly or debilitated patients and, therefore, special care should be taken in treating this population. To minime the potential risk for an adverse GI event the treatment period should be of the shortest possible duration. For high risk patients, alternate therapies that do not involve NSAIDs should be accordinated.

mize the potential risk for an adverse GI event the treatment period should be on the stronger possible duration. For high risk patients, alternate therapies that do not involve NSAIDs should be considered.

In addition to a past history of ulcer disease, pharmacoepidemiological studies have identified several other co-therapies or co-mortid conditions that may increase the risk for GI bleeding such as treatment with oral coticosteroids, treatment with anticoagulants, longer duration of NSAID therapy, smoking, and alcoholism.

Anaphylactold Reactions

Anaphylactold reactions may occur in patients with be apprint riad or a history of angioedema. The triad hybrically occurs in asthmatic patients who experience rhintits with or without nead polyse, or who exhibit severe, potentially fatal bronchospasm after taking aspirin or other NSAIDs take been reported in souch patients (see CONTRAINDICATIONS and PRECAUTIONS - Pre-existing Asthma). Emergency help should be sought when anaphylactoid reaction occurs.

Pregnancy
As with other NSAID-containing products, Combunox should be avoided in late pregnancy because it may cause premature closure of the ductus arteriosus. Interactions with Alcohol and Drugs of Abuse Oxycotone may be expected to have additive effects when used in conjunction with alcohol, other opioids, or illicit drugs that cause central nervous system depression.

PRECAUTIONS
General
Special Risk Patients
As with any opioid an
debilitated natients apecal 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 alcoholism, convulsive disorders, CNS depression or coma, delirium tremens, kyphoscoliosis associated with respiratory depression, toxic psychosis, prostate hypertrophy or urethral stricture. The usual precautions should be observed and the possibility of respiratory depression, postural hypotension, and altered mental states should be kept in mind. Use in Pancreaticifiliary Tract Disease
Combunox may cause spasm of the sphinicer 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
Dxycodone suppresses the counh reference or control of the properties of the properties

teflex ne suppresses the cough reflex; as with other opioid containing products, caution should ised when Combunox is used postoperatively and in patients with pulmonary disease.

xercised when Combounts is used postoperatively and in patients with pulmonary disease. t on Diagnostic Signs antibyretic and anti-inflammatory activity of ibuprofen may reduce fever and inflammation, diminishing their utility as diagnostic signs in detecting complications of presumed nonin-ous, noninflammatory painful conditions.

fectious, noninflammatory painful conditions.

Hepatic Effects
As with other NSAIDs, ibuprofern has been reported to cause borderline elevations of one or more liver enzymers; this may occur in up to 15% of patients. These abnormalities may progress, may remain essentially unchanged, or may be transient with continued therapy. Notable (3 times the upper limit of normal) elevations of SGPT (ALT) or SGOT (AST) occurred in controlled clinical trials in less than 1% of platents. A patient with symptoms and/or signs suggesting liver dysfunction, 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 fatal hepatitis, have been reported with biurporfera as with bern NSAIDs. Although such reactions are rare, if abnormal liver tests persist or worsen, if clinical signs and symptoms consistent with liver disease develop, or if systemic manifestations occur (e.g. eosinophilia, rash, etc.), Combunox should be discontinued.

Renal Effects

To consent, if clinical signs and a programment and in the consent of consent necrosis and other renal pathologic changes. Renal toxicity has also been seen in patients in which renal prostaglandins have a compensatory role in the maintenance of renal perfusion. In these patients, administration of a nonsteroidal anti-inflammatory drug may cause a dose-dependent reduction in prostaglandin formation and, secondarily, in renal blood flow, which may

precipitate overt renal decompensation, Patients at greatest risk of this reaction are those with impared renal function, hear taking liver dysturbiotion, those taking furthers and the elderly. Discontinuation of nonsteroidal anti-inflammatory drug therapy is usually followed by recovery to the pretreatment state.

Burporden metabolities are eliminated primarily by the kidneys. The extent to which the metabolities may accumulate in patients with renal fallure has not been studied. Patients with significantly impaired renal function should be more closely monitored.

Hernatological Effects

Burporden like other NSAIDs, can inhibit platelet aggregation but the effect is quantitatively less and of shorter duration than that seen with aspirin. Burporten take been shown to prolong bleeding time in normal subjects. Because this prolonged bleeding effect may be exaggerated in a patients with underlying hemostatic defects. Complumors should be used with caution in persons with intrinsic coagulation defects and those on anticoagulant therapy. Anemia is sometimes seen in patients receiving INSAIDs, including huporfen. This may be due to fluid retention, GI loss, or an incompletely described effect upon erythropolesis.

Fluid Retention and Edema have been reported in association with iburpofen; therefore, the drug should be used with caution in patients with a history of cardiac decompensation, hypertension or heart failure.

Per-existing Asthma

Patients with asthma may have aspirin-sensitive ashma. The use of aspirin in patients with aspirin-sensitivity and should be used with caution in patients with a history of cardiac decompensation, hypertension or heart failure.

Per-existing Asthma

Patients with ashma may have aspirin-sensitive ashma. The use of aspirin in patients with aspirin-sensitivity and should be used with caution in patients with pre-existing ashma.

Saspic Memingitis

Asspiric Memingitis

Asspiric Memingitis

Asspiric Memingitis

Asspiric memingitis with fever and coma has been observed on rare occasion

into nater an underlying chronic basses. In signs of symptoms of intellinguise betterplin in patient on Combunox, the possibility of its being related to buprofers should be considered. Information for Patients
Combunox, similar to other opioid-containing analgesics, may impair mental and/or physical abilities required for the performance of potentially hazardous tasks such as driving a car or operating machinery, patients should be cautioned accordingly.

The combination of this product with alcohol and other CNS depressants may produce an additive CNS depression and should be avoided.

Combunox can be abused in a manner similar to other opioid agonists, legal or illicit. Patients should take the drug only for as long as it is prescribed, in the amounts prescribed, and no more frequently than prescribed. Combunox like other drugs containing ibuprofen, is not free of side effects. The side effects of these drugs can cause discomfort and, rarely, there are more serious side effects, such as gastrointestinal beliefing, which may result in hospitalization and even tatal outcomes. Patients should be instructed to report any signs or symptoms of gastrointestinal bleeding, blurred vision or other eye problems, skin rash, weight gain, or edema.

Laboratory Tests

boratory Tests
decrease in hemoglobin may occur during Combunox therapy, and elevations of liver enzymes
y be seen in a small percentage of patients during Combunox therapy (see PRECAUTIONS matological Effects and PRECAUTIONS - Hepatic Effects),
patients with severe hepatic or renal disease, effects of therapy should be monitored with liver
for renal function tests.

agent. However, clinicians should be aware of this possible interaction.

Anticholinergics: The concurrent use of anticholinergics with oxycodone preparations may produce paralytic fleus.

CNS Depressants: Patients receiving narcotic analgesics, general anesthetics, phenothiazines, other tranquilizers, sedative-hypnotics or other CNS depressants (including alcohol) concomitantly with oxycodone may exhibit an additive CNS depressants (including alcohol) concomitantly with oxycodone may exhibit an additive CNS depression. Interactive effects resulting in respiratory depression, inpotention, proflound sedation, or coma may result if these drugs are taken in combination with the usual dosage of oxycodone. When such combined therapy is contained to the complex of the contained of the programment of the contained of

degree of respiratory depression. Ibugrofen ACE-Inhibitors: Reports suggest that NSAIDs may diminish the antihypertensive effect of ACE-Inhibitors. This interaction should be given consideration in patients taking Combunox oncomitantly with ACE-Inhibitors. Aspirin: As with other products containing NSAIDs, concomitant administration of Combunox adaptin; in sort operately recommended because of the potential of increased adverse effects. Diuretics: Ibuprofen has been atributed to inhibition of renal prostaglandin synthesis norme patients. This response has been atributed to inhibition of renal prostaglandin synthesis using of renal failure (see PRECIAUTIONS - Renal Effects), as well as diuretic effect of containing synthesis by buprofen. Thus, when Combunox and lithium are administered concurrently, patients should be observed for signs of final facing to see the seek and the day of the signs of final facing signs of final facing signs of final facing to seek the seek and the signs of final facing synthesis by buprofen. Thus, when Combunox and lithium are administered concurrently, patients should be observed for signs of lithium toxidiy.

Methotrexate: buprofen, as well as other NSAIDs, has been reported to competitively inhibit methorizeate. Caurious should be used when Combunox is administered concomitantly with methorizeate. Caution should be used when Combunox is administered concomitantly with methorizeate. Caution should be used when Combunox is administered concomitantly with methorizeate. Caution should be used when Combunox is administered concomitantly with methorizeate. Caution should be used when Combunox is administered concomitantly with methorizeate. Caution should be used when Combunox is administered concomitantly with methorizeate. Caution should be used when Combunox is administered concomitantly with methorizeate. Caution should be used when Combunox is administ

Pregnancy Category C
Animal studies to assess the potential effects of the combination of oxycodone and ibuprofen on embryo-fetal development were conducted in the rat and rabbit model.

Pregnant rats were treated by oral gavage with combination doses of oxycodone:buprofen mg/kg/day (0.2520, 0.54.0.1,0.86) or 20.166) on days 7-16 of gestation. There was no evidence for developmental toxicity or teratopenicity at any dose, although nateral toxicity was noted at doses of 0.540 and above. The highest dose tested in the rat (20.160 mg/kg/day) is equivalent to the maximum recommended human daily dose (20.1600 mg/day) on a body surface area (mg/mg/mb basis. This dose was associated with maternal toxicity (death, clinical signs, decreased BW).

Jace area (mg/m²) basis. This dose was associated with maternal toxicity (death, clinical signs, decreased BW). Pregnant rabblis were treated by oral gavage with combination doses of oxycodone/buprofen (38.30, 0.75.60, 1.50.120 or 3.00.240 mg/kg/day), on gestation days 7-19. Oxycodone/buprofen treatment was not teratogenic under the conditions of the assay Maternal toxicity was noted at doses of 1.51.20 (reduced body weight and food consumption) and 3.240 mg/kg/day, is 2.75.20 (reduced body weight and food consumption) and 3.240 mg/kg/day, is 2.75.20 mg/kg/day, is 2

Jabor and Delivery

Combunox should not be used during the third trimester of pregnancy due to the potential for iburporten to inhibit prostaglandin 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 ord opioids may cause respiratory depression in the newborn.

Nursing Mothers

Luburotien is not transferred to breast milk in significant quantities. The American Academy of Pediatrics classified buproten as compatible with breastbeding. In studies using a 1 mcg/mL assay, iburpoten was not detected in the milk of lactating mothers. Oxycodone is excreted in in human milk. Whitdrawal symptoms and/or respiratory depression have been observed in neonates whose mothers were taking narcotic analgesics during pregnancy, Although adverse

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 serious adverse reactions in nursing infants from the oxycodone present in Combunoz, 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

ilatric Use
he placebn-controlled, clinical studies of pain following dental surgery, 109 patients between ages of 14 and 17 years were administered a single dose of Combunox. No apparent differes were noted in the safety of Combunox in patients below and above 17 years of age thunox has not been studied in petities under 14 years of age.

Combunox has not been suuded in paueitis unuel in young or unyo.

Gerlatit USB
Of the total number of subjects in clinical studies of Combunox, 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 elderly and younger patients, but greater sensitivity of some older individuals cannot be ruled out. However, because the elderly may be more sensitive to the renal and gastrointestinal effects of nonsteroidal anti-inflammatory agents as well as possible increased risk of respiratory depression with opioids, extra caution should be used when treating the elderly with Combunox.

Sion with opiods, extra cautions should use used in many and the property of t

	5/400 mg (n=923)	400 mg Ibuprofen (n=913)	5 mg Oxycodone HCl (n=286)	Placebo (n=315)
Digestive	-	(11=310)	(11=200)	
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%)
Skin and Append	lages			
Sweat	15 (1.6%)	7 (0.8%)	4 (1.4%)	1 (0.3%)

artnrins. Nervous System: abnormal thinking, anxiety, hyperkinesia, hypertonia. Skin and Appendages: rash. Special Seness: amblyopia, taste perversion. Urogenital System: urinary frequency.

PRIJG ABUSE AND DEPENDENCE

Combunox contains oxycodone, which is a mu-opioid agonist with an abuse liability similar to other opioid agonists and is a Scheduel I I controlled substance. Combunox, 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 environ-mental 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, continued use despite harm, and craving. Drug addiction is a treatable disease utilizing a multidisciplinary approach, but relagse is common.

Thrug seeking* behavior is very common in addicts and drug abusers. Drug-seeking tactics include emergency calls or visits near the end of office hours, refusal to undergo appropriate examination, testing or referral, repeated "loss" of prescriptions is common among drug abusers and people suffering from untreated addiction.

Abuse and addiction are separate and distinct from physical dependence usually assumes clinically significant dimensions after several days to weeks of continuous opioid use. Tolerance, in which increasingly large doses are required in order to produce the same degree of analgesia, is manifested initially by a shorter duration of analgesic effect, and subsequently by a decrease in the intensity of analgesia. The rate of devolopment of tolerance varies among patients. Physicians should be aware that abuse of opioids can occur in what is characterized by missue for non-medical purposes, often in combination with other psychoactive substances. Combunox, like other opioids, may be diverted for non-medical sure fector-keeping prescription is common, medical purposes, often in combination with other psychoac

OVERDOSAĞE
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 ingested and the time elapsed since ingestion, although individual response may avar, necessitating individual evaluation of each case. Although uncommon, serious toxicity and death have been reported in the medical literature with ibuprofen overdosage. The most frequently reported symptoms of ibuprofen overdose include abdominal pain, nausea, vomiting, lethargy, and drowsiness. Other central nervous system symptoms include headache, tinnitus. OSK expression, and seizures. Cardiovascular toxicity, including hypotension, bradycardia, tachycardia, and atrial fibrillation, have also been reported.

Treatment:

Treatment. Treatment of opioid overdosage, primary attention should be given to the re-establishment of a patent airway and institution of assisted or controlled ventilation. Supportive measures (including oxygen and vasopressors) should be employed in the management of circulatory shock and pulmonary define accompanying overdose, as indicated. Cardiac arrest or arrhytimias may require cardiac massage or defibrillation. The narcolic antagonist nationne hydrochiroles a specific andidole against respiratory depression, which may result from overdosage or unusual sensitivity to narcolics including oxygodone. An appropriate dose of nationne hydrochiroles should be administered intravenously with simultaneous efforts at respiratory with simultaneous efforts at respiratory. hydrochloride should be administered intravenously with simultaneous efforts at respiral resuscitation. Since the duration of action of oxycodone may exceed that of the naloxone, patient should be kept under continuous surveillance and repeated doses of the antagor should be administered as needed to maintain adequate respiration. Management of physicion, acidosis and gastrointestinal bleeding may be necessary. In cases of acute overdose, stomach should be emptied through inecaci-induced emesis or gastric lavage. Challed the stomach should be emptied through inecaci-induced emesis or gastric lavage. Challed within 30 minutes of ingestion included emesis into or ommended in patients with impaired consciousness or overdoses greater than 400 mg/kg of ibuproflen component in children because of the risk for convulsions and the potential for as ration of gastric contents.

A Schedule CII Narcotic

Forest Pharmaceuticals, Inc.

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