CLINICAL CAPSULES

Hydrocortisone for Pneumonia

Hydrocortisone infusion in patients with severe community-acquired pneumonia leads to earlier resolution and prevents development of sepsis-related complications, a prospective multicenter study suggests.

A total of 46 patients with severe community-acquired pneumonia were enrolled and randomized to receive protocol-guided antibiotic treatment plus 7 days of hydrocortisone infusion or placebo. Hydrocortisone was given as an intravenous 200-mg loading bolus followed by infusion of 240 mg in 500 cc of 0.9% saline at a rate of 10

mg/hour, Marco Confalonieri, M.D., of

Trieste, Italy, and his colleagues reported. At study day eight, 20 of 23 patients in the treatment group, compared with 9 of 23 controls, had improved ratios of arterial oxygen pressure to fraction of inspired oxygen. Significantly greater reductions in multiple organ dysfunction syndrome scores and chest radiograph scores were observed in the treatment group. C-reactive protein (CRP) levels, which were higher in the treatment group at study entry, fell by more than 50% in 21 of 23 patients, compared with 5 of 23 controls (Am. J.

Respir. Crit. Care Med. 2005;171:242-8).

Patients with persistent CRP elevations had a higher incidence of delayed septic shock than those with reduced CRP levels (nine vs. zero patients). Also reduced in the treatment group were duration of mechanical ventilation (median 4 vs. 10 days), hospital stay (median 13 vs. 21 days), and 60-day mortality (0% vs. 38%).

Poliomyelitis Eradication

Efforts to eradicate poliomyelitis suffered a setback in 2004, according to the Centers for Disease Control and Prevention.

The most progress was made in Egypt and in three Asian countries where the dis-

References: 1. Data on file. Pfizer Inc., New York, NY. 2. IMS Health Inc; May 2004.

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LIPITOR® (Atorvastatin Calcium) Tablets
Brief Summary of Prescribing Information
CONTRAINDCATIONS: Active liver disease or unexplained persistent elevations of serum transaminases. Hypersensitivity to any component of this medication, Pregnancy and Lactation — Atherosclerosis is a chronic process and discontinuation of lipid-lowering drugs during pregnancy and Lactation — Atherosclerosis is a chronic process and discontinuation of lipid-lowering drugs during pregnancy and the little impact on the outcome of long-term therapy of primary hypercholesterolemia, Cholesterol and other products of cholesterol biosynthesis are essential components for fatal development (Including synthesis of steroids and cell membranes). Since HMG-CoA reductase inhibitors decrease cholesterol synthesis of theroids and cell and brenz stores. ATORVASTATIN SHOULD BE ADMINISTERED TO WONCEWE AND HAVE BEEN INFORMED OF THE POTENTIAL HAZAROS. The head the becomes pregnant while taking this drug, therapy should be discontinued and the patient apprised of the potential hazard to the fatus. WARNINGS: User Dysfunction — HMG-CoA reductase inhibitors, like some other lipid-lowering therapies, hyper limit of normal (UN) occurring on 2 cm oreo occasion) in sorum transaminase level and the patients who received atorvastatin in clinical trials. The incidence of these abnormalities was 0.2%, 0.2%, 0.2%, 0.3%, and 2.3% for 10, 20, 40, and 20 mg, respectively. One gateent with parsistent TF elevations (S Timme throse sont the protocome and the patients were not associated with patients with a context limit of a transaminase level strund to or mear preterment levels without sequelae. Eighteen of 30 patients with the site and the setaloped jaundice. horease and the materist (LT) in oth

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 development was delayed (rotorod performance at 100 mg/kg/day and acoustic startle at 225 mg/kg/day; prime detrachment and eye opening at 225 mg/kg/day. These doses correspond to 6 times (100 mg/kg) and 22 times (225 mg/kg) the human AUC at 80 mg/day. Pare reports of congenital anomalies have been received following intrauterine exposition to 1M6C-Dad reductase inhibitors. There has been one regenarcy. LIPTIOR should be administered to women of child-bearing potential during the first timester of pregnarcy. LIPTIOR should be administered to women of child-bearing potential only when such patients are highly unlikely to conceive an have been informed of the potential hazards. If the woman becomes pregnaner while taking LIPTIOR, it should be discontinued and the patient advised again as to the potential hazards to the fetus. **Nursing Motters —** Nursing at pups had plasm and liver drug levels of 50% and 40%, respectively, of that in their mother's mik. Because of the potential for advised again as to the potential hazards to the fetus. **Nursing Motters —** Nursing informers — Nursing infants, women taking LIPTIOR hould not breast-feed (see CONTRANIOLECTIONS). **Pediatric Use —** Safety and effectiveness in patients 10-17 years of age with heterozygous familial hypercholesterolemia have been evaluated in a controlled dinical trial of months duration in addlescent boys and postemancrhal gifty, addity, addity and woment to editable advise experience so besived in toth groups, regardless of causelity assessment, were infections. **Doese greater than 20 mg have not been studied in this patient population**. In this limited controlled study, there was no detectable effect on growth or sexual maturation in boys or on menstrual cycle length in girls (See CONTRANIDICAL PHARMACOLOGY, *Clinical Studies*; See CONTRANIDICAL PHARMACOLOGY, *Clinical Studies*; See CONTRANIDICAL PHARMACOLOGY, *Clinical Studies*; See CONTRANIDICAL PHARMACOLOGY, *Clinical Studies*; See

Adverse Events in Placebo-Controlled Studies (% of Patients)					
BODY SYSTEM	Placebo	Atorvastatin	Atorvastatin	Atorvastatin	Atorvastatin
Adverse Event		10 mg	20 mg	40 mg	80 mg
	N = 270	N = 863	N = 36	N = 79	N = 94
BODY AS A WHOLE					
nfection	10.0	10.3	2.8	10.1	7.4
Headache	7.0	5.4	16.7	2.5	6.4
Accidental Injury	3.7	4.2	0.0	1.3	3.2
Flu Syndrome	1.9	2.2	0.0	2.5	3.2
Abdominal Pain	0.7	2.8	0.0	3.8	2.1
Back Pain	3.0	2.8	0.0	3.8	1.1
Allergic Reaction	2.6	0.9	2.8	1.3	0.0
Asthenia	1.9	2.2	0.0	3.8	0.0
DIGESTIVE SYSTEM					
Constipation	1.8	2.1	0.0	2.5	1.1
Diarrhea	1.5	2.7	0.0	3.8	5.3
Dyspepsia	4.1	2.3	2.8	1.3	2.1
Flatulence	3.3	2.1	2.8	1.3	1.1
RESPIRATORY SYSTEM					
Sinusitis	2.6	2.8	0.0	2.5	6.4
Pharyngitis	1.5	2.5	0.0	1.3	2.1
SKIN AND APPENDAGES					
Rash	0.7	3.9	2.8	3.8	1.1
MUSCULOSKELETAL SYSTEM					
Arthralgia	1.5	2.0	0.0	5.1	0.0
Myalgia	1.1	3.2	5.6	1.3	0.0

Anglo-Scandinavian Cardiac Outcomes Trial (ASCOT)—In ASCOT (see CLINICAL PHARMACOLOGY, Clinical Studies in full prescribing information) involving 10,305 participants treated with LIPITOR 10 mg daily (n=5,168) or placebo (n=5,137), the safety and tolerability profile of the group treated with LIPITOR was comparable to that of the group treated with placebo during a median of 3.3 years of follow-up. The following adverse events were reported, regardless of causality assessment in patients treated with atorvastatin in clinical trials. The events in italics occurred in ≥2% of patients and the events in plain type occurred in <2% of patients.

The following adverse events were reported, regardless of calking assessment in patients treated with atorvastain in clinical trials. The events in italies occurred in ≥2% of patients and the events in plain type occurred in <2% of patients. Body as a Whole: Chest pain, face edema, fever, neck rigidity, malaise, photosensitivity reaction, generalize edema. Digestive System: Nausea, gastroenteritis, liver function tests abnormal, colitis, vomiting, gastritis, dyr mouth, rectait hemorrhage, esophagiis, eructation, globistis, mouth ucleration, anorexia, increased appetite, stomattis, bilary pain, cheilitis, duodenal ulcer, dysphagia, enteritis, cholestatic jaundheae. Respiratory System: Bronchitis, rhinitis, pneutinonia, dyspnea, asthma, epistaxis, Nervous System: Insomnia, diziness, paresthesia, somonolence, annesia, abnormal dreams, libido decreased, emotional lability, incoordination, peripheral neuropathy, torthcolis, facial paralysis, hyperkinesia, depression, hypesthesia, hypertonia. *Musculostichetal System: Arthritis*, leg cramps, bursitis, tenosymotis, myasthenia, tendinous contracture, myositus. Stim and Appendages: Fruntus, contact dermatitis, alopecia, dny skin, sweating, acne, urticaria, eczema, seborrhea, skin ulcer. *Urogential System: Linnary tract infection*, urinary frequency, cystitis, hematuria, impotence, dysues, kina duela, uncerta hemorrhage, Baccial Senses: Amblyopia, tinnitus, dry eyes, refraction disorder, eye hemorrhage, dealness, glaucoma, parostiral hypotension, phebitis, arrhythmia, angina pactoris, hypertension. *Metabolic and Nutritional Disorders: Peripheral edems*, bulcord System: Eschymosis, anemia, hymphadenopathy, thrombocytopenia, paterkia, redictina typisdynetia, blandi and enerotysis, and hyperdylecing crystem and with LIPITOR therapy reported since anket introduction, that are not listed above, regardless of causality assessment, include the following: anaphylaxis, angioneurotic edems, bulcor sahes (including erythem anutiforms, Exeens-Johnson syndrome,

information and PRECAUTIONS, Pediatric Use). **OVERDOSAGE:** There is no specific treatment for atorvastatin overdosage. In the event of an overdose, the patient should be treated symptomatically, and supportive measures instituted as required. Due to extensive drug binding to plasma proteins, hemodialysis is not expected to significantly enhance atorvastatin clearance.

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ease is endemic: during peak transmission season, the number of cases was the lowest ever reported in those countries. However, a resurgence of poliomyelitis in 2 African countries spread to a total of 14 countries that had not reported polio for more than 1 year (MMWR 2005;54:408-12).

Eradication efforts should focus on highquality vaccination campaigns and on monitoring surveillance quality to ensure rapid detection of circulating virus or importation and a timely response, according to the CDC, which stresses that the greatest threat to eradication is continued failure to vaccinate all high-risk children.

RSV Common in Adults

Respiratory syncytial virus is at least as common as influenza A in elderly and high-risk adults and is an important disease in this population, a large prospective study suggests.

The study included 608 healthy adults aged 65 or older, 540 adults over age 20 with chronic heart or lung disease, and 1,388 patients hospitalized with acute pulmonary conditions, who were evaluated for respiratory illnesses over four consecutive winters. RSV infection was identified in 102 patients from the prospective cohorts and 142 of the hospitalized patients; influenza A was diagnosed in 44 and 154 of those two groups, respectively, Ann R. Falsey, M.D., of Rochester (N.Y.) General Hospital and her colleagues reported.

RSV and influenza were symptomatic in a similarly high percentage of cases (89% and 91%), and both resulted in considerable health care use. Forty-two percent of elderly patients with influenza A and 17% with RSV sought medical attention, and 60% of the high-risk adults with influenza A and 29% with RSV sought medical attention (N. Engl. J. Med. 2005;352:1749-59).

The findings confirm the importance of influenza A in adults, but also document the importance of RSV in these populations, and underscore the need for development of an effective vaccine against RSV.

Aspiration Pneumonia Rx

Intravenous clindamycin therapy was as effective as but lower in cost than three other recommended antibiotic regimens for the treatment of mild to moderate aspiration pneumonia in elderly patients in a prospective, randomized study.

In 100 patients treated twice daily with either 1.5 g or 3 g of IV ampicillin/sulbactam, 0.5 g of IV panipenem/betamiprom, or 600 mg of IV clindamycin, cure rates were similar (76%-88%), as were duration of IV treatment (8-10 days) and number of adverse events (3-4), reported Maiko Kadowaki, M.D., and colleagues at the University of Fukui (Japan) (Chest 2005;127:1276-82).

Based on treatment duration, clindamycin therapy cost about \$127, compared with \$208 for the lower dose of ampicillin/sulbactam, \$444 for the higher dose of ampicillin/sulbactam, and \$258 for panipenem/betamiprom. Clindamycin was also associated with a lower rate of posttreatment methicillin resistant Staphylococcus aureus: zero cases vs. five cases in each of the ampicillin/sulbactam groups and eight cases in the panipenem/betamiprom group.

> -Sharon Worcester Pages 62a—62bt

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