Investigational Tdap Booster Safe in Adolescents

BY MIRIAM E. TUCKER Senior Writer

WASHINGTON — The safety profile of Aventis Pasteur's reduced-antigen tetanusdiphtheria acellular pertussis vaccine in adolescents is similar to that of the currently-licensed tetanus-diphtheria vaccine, Michael E. Pichichero, M.D., reported at the annual Interscience Conference on Antimicrobial Agents and Chemotherapy. Adacel (reduced-antigen tetanus-diphtheria acellular pertussis or Tdap) is licensed in Canada for booster immunization of adolescents and adults. It is under review by the Food and Drug Administration for use in individuals 11-64 years.

Two randomized multicenter U.S. trials included 2,990 adolescents aged 11-17 who received Tdap and 792 given tetanus-diphtheria toxoid (Td), said Dr. Pichichero, a pediatric infectious diseases specialist in Rochester, N.Y.

Immediate reactions (within 30 min-

utes) were reported at comparably low frequencies in both the Tdap and Td groups (0.5%-0.6%). Most reactions were mild and resolved within a day. Also comparable were the frequency, intensity, and mean duration of fever of 38° C or greater and injection site erythema and/or swelling.

Injection site pain was slightly but significantly more frequent in the Tdap group (79.2% vs. 71.0%), but this pain was usually of mild intensity and its mean duration did not differ significantly between the two groups, Dr. Pichichero said.

Postvaccination limb circumference measurements within 2 weeks of vaccination were similar between the two groups (increases of more than 3 cm occurred in roughly 5% of each group), and no study subjects had whole arm swelling. Headache, generalized body ache, and tiredness were the three most commonly reported solicited systemic events, all in less than 30% of each group.

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

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Adverse Events in Placebo-Controlled Studies (% of Patients) BODY SYSTEM

Adverse Event	N = 270	10 mg N = 863	20 mg N = 36	40 mg N = 79	80 mg N = 94
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
Ru 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

dinavian Cardiac Outcomes Trial (ASCOT)—In ASCOT (see CLINICAL PHARMACOLOGY, des in full prescribing information) involving 10,305 participants treated with LIPITOR 10 ng daily placebo (n=5,137), the safety and tolerability profile of the group treated with LIPITOR was to that of the group treated with placebo during a median of 3,3 years of follow-up. 8) or placebo (n=5,137 rable to that of the gro comparative to tract or the group treated with placebo during a median of 3.5 years of romow-up. The following adverse events were reported, regardless of causality assessment in patients treated with advorsata in clinical trials. The vents in italics occurred in $\geq 2\%$ of patients and the events in plain type occurred in <2% of patients.

atorvastatin in clinical trials. The events in italics occurred in ≥2% of patients and the events in plain occurred in <2% of patients. Body as a Whole: Chest pain, face adema, fever, neck rigidity, malaise, photosensitivity reaction, ger defama. Digestive System: Nausea, gastonentrisi, kiver function tests abnormal colitis, syoning, ga dry mouth, rectal hemorrhage, esophagitis, eructation, glossitis, mouth ulceration, anorexia, increass appetite, stomatitis, bilary pain, chelitis, duodenal ulcer, dysphagia, enteritis, mortal colitis, syoning, ga stomach ulcer, tenesmus, ulcerative stomatitis, hepatitis, pancreatitis, cholestatic jaundice. Respirat System: Bronchits, rhinitis, pneumonia, dyspnea, asthma, epistaxis. Nervous System: Insomnia, driz, paresthesia, somndence, amesia, abnormal dreams, Bildo decreased, emotional lability, incoordin peripheral neuropathy, torticollis, facial paralysis, hyperkinesia, depression, hypesthesia, hypertonias, consumerita, incoreatis, cholesta jaundice, cystitis, hemorrhage, albuminuria, presst enlargement, metrorrhagis, alporexis, disvis, sweating, acne, urite cezma, seborrhae, skin ulcer. Urogenial System. Urinary tract infection, unnary frequence, urinary retention, urinary urgency, abnormal ejaculation, uterine hemorrhage. Special Senses: Amblyopia, ti y eyes, refraction disorder, eye hemorrhage, deafness, glucaroma, parsin, taste loss: Rate perv Cardiovascular System: Palpitation, vasodilatation, syncope, migraine, postural hypotension, phlebit vistem: Ecotion disorder, eye hemorrhage, deafness, glucare, speciar Senses: Amblyopia, ti arrhythmia, angina pectoris, hypertension. Metaboli cand Mutritional Disorders: Peripheral edeama, hyperdylcemia, creatine phosphokinase increased, oput, weight gain, hypoglycemia, Hemic and Lymp. (a) yes, to the system: "Jabitation, vasodilatation, syncope, migraine, postural typuterism arrhythmia, angina pectoris, hypertension. Metabolic and Nutritional Disorders: Peripher, hyperglycemia, creatine phosphokinase increased, gout weight agin, hypopycemia. Hem System: Ecchymosis, anemia, hymphadenopathy, thrombocytopenia, petechia, Postimirodu Adverse events associated with LIPITOR therapy reported since market introduction, that above, regardless of causality assessment, include the following: anaphylaxis, angioneurc rashes (including erythema multiforme, Stevens-Johnson syndrome, and tsuic exploremal rhabdomyolysis. Pediatric Patients (ages 10-17 years) In a 26-week controlled study in bo postmenarchal girls (n=140), the safety and tolerability profile of LIPITOR 10 to 20 mg daby similar to that of placebo (see CLINICAL PHARIMACOLOGY, Clinical Studies section in full r information and PREGAUTIONS, Pediatric Leel.

mormation and PHELAUTIUNS, 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.

see full prescribing information for additional information about LIPITOR. B only ©2004 Pfizer Ireland Pharmaceuticals

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Rev. 5, August 2004 Fizer U.S. Pharmaceutical **New Rotavirus** Vaccine Poses No GI Risk

WASHINGTON — GlaxoSmithKline's rotavirus vaccine is not associated with increased risk of intussusception, Miguel O'Ryan, M.D., reported at the annual Interscience Conference on Antimicrobial Agents and Chemotherapy, sponsored by the American Society for Microbiology.

Unlike Wyeth's rhesus-human rotavirus reassortant-tetravalent RotaShield, which was withdrawn in 1999 due to an increased risk of intussusception, GlaxoSmithKline's Rotarix is a live attenuated monovalent human strain-derived vaccine. It is licensed in Mexico and in early 2005 it should be available in some Latin American countries. The company also will seek licensure in the United States, a spokesperson said.

Short-term safety and immunogenicity for Rotarix were established in phase II trials (Pediatr. Infect. Dis. J. 2004;23:S179-82 and Vaccine 2004;22:2836-42).

The current phase III data involve 63,225 healthy infants from 18 sites in 11 Latin American countries and in Finland (40% were from Mexico and Peru). They were randomized to receive a dose of vaccine or placebo at 2 and 4 months of age.

Active hospital surveillance for intussusception yielded six cases within 30 days of receiving the vaccine and seven cases within 30 days of placebo injection. Intussusception developed in an additional three vaccine and nine placebo recipients after more than 30 days. None of these differences were significant, said Dr. O'Ryan of the University of Chile, Santiago.

Unlike with RotaShield, in which most of the intussusception cases were clustered during the first week after dose 1, no such temporal clustering was seen with Rotarix. None of the 13 infants with intussusception in this study died. Surgery was required for four of the vaccine subjects and five in the placebo group, also not significantly different, he said.

The calculated risk for intussusception following Rotarix was -2.23/10,000, far lower than the 1/10,000 estimate for RotaShield (N. Engl. J. Med. 2001;344:564-72).

Dr. O'Ryan noted that although rotavirus is a far greater threat to infants in the developing world, the disease still results in high hospitalization rates in the developed world.