Aspirin and Esomeprazole Appear Safe for Barrett's

BY FRAN LOWRY Orlando Bureau

ORLANDO — Early findings from the Aspirin Esomeprazole Chemoprevention Trial indicate that therapy with aspirin and esomeprazole is safe and well tolerated for preventing the progression of Barrett's esophagus to adenocarcinoma. Since the start of the randomized Aspirin Esomeprazole Chemoprevention Trial (AspECT) in September 2005, 1,192

(83%) of the 1,436 patients have remained on their medication, and just 33 adverse events have been reported, said the study's lead investigator Dr. Janusz Jankowski, professor of medicine, Oxford University (England), at a meeting on gastrointestinal cancers sponsored by the American Society of Clinical Oncology.

AspECT is an ambitious, 10-year clinical trial being conducted in the United Kingdom. The investigators are still recruiting to meet their goal of 3,000 pa-

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tients. The trial's primary aim is to determine whether treatment with the proton pump inhibitor esomeprazole (Nexium, AstraZeneca) and aspirin can stop Barrett's metaplasia from progressing to adenocarcinoma.

The investigators are also trying to determine whether this therapy will prevent or reduce myocardial infarction.

The United Kingdom is fertile ground for such a study, Dr. Jankowski said at the symposium, also sponsored by the AGA

Institute, the American Society for Therapeutic Radiology and Oncology, and the Society of Surgical Oncology.

The U.K. has the highest incidence of esophageal adenocarcinoma in the world—up to four times greater than that of other countries in Europe. Barrett's metaplasia is twice as common in the U.K. as it is in the United States," he said in an interview.

Being able to show that aspirin "is in-Continued on following page

Tetanus Toxoid, Reduced **Diphtheria Toxoid and Acellular** Pertussis Vaccine Adsorbed

Brief Summary: Please see pa

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dearly outweighs the risk.
ADACEL vaccine is not contraindicated for use in individuals with HIV infection. (1)
WARNINGS Because intramuscular injection can cause injection site hematoma, ADACEL vaccine should not be given to persons with any bleeding disorder, such as hemorphila on thombocytopenia, or to persons on anticcoagulant therapy unless the potential benefits deary outweigh the risk of administration. If the decision is made to administer ADACEL vaccine in such persons, it should be given with caution, with steps taken to avoid the risk of hematoms for is made to administer ADACEL vaccine in such persons, it should be given in temporal relation to pervious receipt of a vaccine containing a whole-eql pervisus (eg. DPIV) or an acultar pervisus comporent, the decision to give ADACEL vaccine should be based on careful consideration of the potential benefits and possible risks: (2)(3)
Temperature of 40-5C (103F) within a8 hours not due to another identitiable cause;
• Collapse or shock-like state (hypotonic-hyporesponsive episode) within 48 hours;
• Persistent, inconsible crying taising a 3 hours, couring within 3 days.
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Information for Vaccine Recipients and/or Parent or Guardian Bétore administration of ADACEL vaccine, health-care provides should inform the vaccine recipient and/or parent or guardian about the potential for adverse reactions that have been temporally associated with ADACEL vaccine. In the structure of the benefits and disks. The health-care provides should inform the vaccine recipient and/or parent or guardian about the potential for adverse reactions that have been temporally associated with ADACEL vaccine. In they are pergrant or the provider. The vaccine immunization, they should contain the internet of ADACEL vaccine information should be instructed to report any sensor adverse reactions to their health-care provider should be informed that Sanofi Pasteur Inc. maintains a pregnancy registry to monitor fetal outcomes of pregnant veneous eduard be vaccine. If they are pregnant or the pregnant or the ADACEL vaccine information that their health-care provider should provide the Vaccine Information Statements (ViSs) that are required by the National Childhood Vaccine Injury Act of 1986 to be green with each immunization. The US Department of Health and Human Services has established a Vaccine Adverse Event Reporting System (VAERS) to accept all reports of suspectad advecare linginy Act of 1986 to be reporting of events required by the National Childhood Vaccine Injury Act or 1986, No the reporting of events required by the National Childhood vaccine Injury Act or 1986 to Beregortaria the Sistem (VAERS) to accept all reports or suspectad advecare linginy vaccine, Advecare Adverse Event Reporting System (VAERS) to accept all reports website at http://www.fda.gov/Cetrevres/vaces/ture intervacines/sostint
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Centeral: J For imformation regarding simultaneous administration with oner vaccines refer to the ADVENCE KEALTIONS and DOSACE AND DAMINISTRATION sections. Carcinogeneis, Mutagenesis, Impairment of Fertility. No studies have been performed with ADACEL vaccine to evaluate carcinogeneis, Mutagenesis, Impairment of Fertility. No studies have been performed with ADACEL vaccine to evaluate carcinogeneis, Mutagenesis, Impairment of Fertility. No studies have been performed with ADACEL vaccine to evaluate carcinogeneis, Mutagenesis, Impairment of Fertility. To evaluate the studies have not been conducted with ADACEL vaccine. It is also not known whether ADACEL vaccine. The effect of ADACEL vaccine on embryo-fetal and pre-weaning development was evaluated in two developmental toxicity studies using preparant tablits. Animals were administered ADACEL vaccine brief to the AdVected vaccine of organogenesis (gestation day 6) and late during pregnancy on gestation day 29, 05 mL/rabbit/occasion (a17-/od increase compared to the human dose of ADACEL vaccine to a body weight busis), by intramuscular injection. No adverse effects on pregnancy, partuition, lactation, embryo-fetal or pre-weaning development were observed. There were no vaccine related fetal mailformations or other evidence of tratogenesis noted in this study. (8) Pregnancy Registry Health-care provides are encouraged to register pregnant women who receive ADACEL vaccine in Sanofi Pasteur Inc's vaccination pregnancy registry by calling 1=80-822-2463 (1+800-VACCINE). Nursing Mothers is to relown whether ADACEL vaccine is secreted in human milk. Because many drugs are excreted in human inc's vaccination pregnancy registry by calling 1=80-822-2463 (1+800-VACCINE).

Inc. 3 vacunation pregnativity registry or calling 1=300-822-2463 (1=300-VACCINE). Nursing Mothes It is not known whether ADACEL vaccine is excreted in human milk. Because many drugs are excreted in human milk caution should be exercised when ADACEL vaccine is given to a nursing woman. Pediatric Use ADACEL vaccine is not indicated for individuals less than 11 years of age. (See INDICATIONS AND USAGE) For immunization of persons 6 weeks through 6 years of age against diphtheria, tetanus and pertussis refer to manufacturers' padage inserts for DIAP vaccines.

Insers for UTar vacuues. Genatic Use ANACEL vacuue is not indicated for individuals 65 years of age and older. No data are available regarding the safety and effectiveness of ADACEL vacuue in individuals 65 years of age and older as clinical studies of ADACEL vaccue did not indude

and effectiveness of ADACEL vaccine in individuals 65 years of age and older as clinical studies of ADACEL vaccine did not include subjects in the geniatic population. **DAVERSE REACTIONS** The safety of ADACEL vaccine was evaluated in 4 clinical studies. A total of 5,841 individuals 11-64 years of age inclusive (3,393 adolescents 11-17 years of age and 2,448 adults 18-64 years) received a single booster dose of ADACEL vaccine. The principal safety study was a randomized, observer blind, active controlled trial that enrolled participants 11-17 years of age and 18-64 years of age (ADACEL vaccine N = 1,782, Td vaccine N = 573). Study participants had not received tetanus or diphtheria containing vaccines within the previous 5 years. Observer blind design, ie, study

Product information as of January 2006

Manufactured by: Sanofi Pasteur Limited Toronto Ontario Canada WKT14427

personnel collecting the safety data differed from personnel administering the vaccines, was used due to different vaccine packaging (ADACEL vaccine supplied in single dose viak; Td vaccine supplied in multi-dose viak). Solicited local and systemic reactions and unsolided events were monitored daily for 14 days post-vaccination using a diary card. From days 14-28 post-vaccination, information on adverse events necessiting a netical contract, such as a telephone call, vist to a memegrony como, physician's office or hospitalizations, uncombined to use telephone interview or at an interim dirit vikit. From days 28 to 6 months post-vaccination, participants' were monitored for unexpected visits to a physician's office or to an energenery como, rown, or set of serious liness and hospitalizations. Information negaring adverse events that occurred in the 6 month post-vaccination ture or was obtained via a scriptest telephone interview. Approximately 95% of participants' completed telephone relaview. Approvementaley 95% of participants' completed the 6 month fold-waccination. Unsolidet reactions including immediate reactors, serious adverse events were enoritored daily for 14 days post-vaccination using a dary card. Local adverse events were only monitored at site/arm of ADACEL vaccine and three collected. In the concomntant vaccination using a dary card. Al unsolited reactors occuring through day 14 were collected. In the concomntant vaccination using a dary card. Al unsolited reactors occuring through day 14 were collected. In the exides, subject were monitored for serious adverse events that elicited seeking medical attention were collected. In the takings, subject were monitored for serious adverse events in adjust avacrice acrone be collected. In the takings, subject were monitored for serious adverse events that agrical reactions care and reactors including transfer the ducta taking of ady 44 were collected. In the takings, bayes were monitored for serious adverse events in adjust dave adverse reaction ind and st

(8) Headache wär the möst frequent system: eradion and wis susjåly of mild to moderate infensty. Local and systemic solicited reactors occurred within the first 3 days after vaccination (with a mean duration of less than 3 days).
Adverse Events in the Concomitant Vaccine Studies
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Local and Systemic Reactions when Given with Timeler Individual thifterna Vaccine and TIV. However, pain at the ADACEL vaccine ingring on site occured at a disticular higher avaccine readoministration of 66.5%) versus separate administration. (66.6%) versus separate administration. (60.9%). The rates of size and/or swollen joints were 13% for concurrent administration of 9.4% for sparate administration. Mol yin compliants were monitore for 14 days post-vaccination using a day active. Local and systemic adverse events were monitore for 14 days post-vaccination using a day active adverse events were onliced for 28 days post-vaccination. Nation 9.4% for sparate administration were 13% for concurrent administration of 40.4% for antis davaccination

expiration date. REFERVECS 1. Centers for Disease Control and Prevention (CDC). General recommendations on immunization: recommendations of the Advisory Committee on Immunization Practices (ACIP) and the American Academy of Family Physicans (AAFP). MMWR 2002;51(RR-2):1-35. 2. CDC. Pertussis vaccination: use of arcllular pertussis vaccines among infants and young children. Recommendations of the ACIP. MMWR 1997;4(RR-1):7-25. 3. CDC Update. Vaccine side effects, adverse reactions, contraind-cations and precautions - recommendations of the Advisory Committee on Immunization Practices (ACIP). MMWR 1995;468; (RR-12):1-35. CDC. Update on adult immunization: recommendations of the ACIP. MMWR 1994;0(RR-12):1-35. 5. CDC. Diphtheria, telanus and pertussis: recommendations for vaccine use and other preventive measures. Recommendations of the ACIP. MMWR 1993;40(RR-12):1-38. CDC Uber of vaccines and immune globulism is previous with altreed immunocompetence. Recommendations of the ACIP. MMWR 1993;42(RR-4):1-18. 7. CDC. Current trends - Vaccine Adverse Event Reporting System (VAERS) United States. MMWR 1990;39(41):703-3. B Data on file at Sanol Pasteur Limited. 9. CDC. Current trends - national vaccine injury at: requirements for permanent vaccination records and for reporting of select event Rater vaccination. MMWR 1988;37(13):197-200. 10. FDA. New reporting requirements for vaccine adverse events. FDA Drug Bull 1988;18(2):16-8.

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Tenofovir Beats Adefovir at Hep B Viral Suppression

BOSTON — Tenofovir suppresses viral load more rapidly and effectively than adefovir does in patients with HBe antigen-negative chronic hepatitis B, Dr. Patrick Marcellin reported at the annual meeting of the American Association for the Study of Liver Diseases.

Although both patient groups experienced a rapid decline in viral load by week 4 of the 48-week trial, those taking tenofovir experienced a steeper decline and a higher response rate, and the response was maintained, said Dr. Marcellin of the Hospital Beaujon, Clichy, France.

In the phase III trial, 375 patients with chronic hepatitis B infection were randomized to either 300 mg/day tenofovir or 10 mg/day adefovir. The primary end points were suppression of viral DNA to below 400 copies/mL and reduction of at least 2 points in the Knodell necroinflammatory score without worsening of fibrosis.

The patients' mean age was 44 years, and their mean necroinflammation score was 8. Twenty percent had cirrhosis. At baseline, mean hepatitis B virus RNA levels were about 7 log_{10} c/mL.

Both groups achieved rapid suppression of hepatitis B virus DNA, with the majority of responsive patients doing so by week 4. By week 48, however, response differences emerged. Significantly more tenofovir-treated patients than adefovir-treated patients achieved viral loads below 400 copies/mL (93% versus 63%, respectively).

There was no significant difference in histologic response between the two groups: 72% treated with tenofovir improved, versus 69% treated with adefovir. But there was a significant difference in the percentage of patients who achieved both virologic and histologic response: 71% of the tenofovir group, versus 49% of the adefovir group.

At week 48, the ALT level was normal in 77% of both groups. The incidence of ALT flare was about 1% in each group. There were no significant differences in amylase, lipase, or creatinine levels. Regarding drug resistance, none of the tenofovir-treated patients developed resistant mutations.

The phase III study was sponsored by Gilead Sciences Inc., Durham, N.C., the company that manufactures tenofovir. Dr. Marcellin disclosed he has a financial relationship with Gilead Sciences.