Program Ups Vaccination Rate in Pregnant Women

BY PATRICE WENDLING Chicago Bureau

KANSAS CITY, MO. - A staff and bilingual patient education program dramatically increased immunizations for pregnant women in Suffolk County, New York.

But progress in this massive county of 1.3 million residents could be thwarted by state legislation banning the use of vaccines containing thimerosal, Mary Koslap-Petraco said at the National Immunization

Conference sponsored by the Centers for Disease Control and Prevention.

A staff education program was developed for obstetricians, nurse-practitioners, and registered nurses at prenatal clinics in all eight primary health centers and three satellite offices run by the Suffolk County Department of Health Services (DHS). The nursing staff then developed a bilingual teaching program in Spanish and English for the women attending the clinics.

The largest ethnic group in the county

is Hispanic, many of whom are immigrants, followed by African American, white, Asian, and Native American. All of the patients were enrolled in the Medicaid prenatal assistance program.

Immunization status was checked for each pregnant woman for three targeted vaccines: tetanus and diphtheria (Td), hepatitis A/B, and influenza. Each woman was then offered an immunization, and given vaccine-specific education. A written immunization record was provided for

Irone acetate) tablets 1.0 mg/0.5 mg 0.5 mg/0.1 mg for full Prescribing Information one ---- for full Prescribing Information one ---- CARDIOVASCULAR AND OTHER RISKS
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conserve with or without progestins should not be used for the prevention with or without progestins should not use a. (See **CLINICAL STUDIES** in prescribin and **Dementia**.) The estrogen plus prog creased risks of myocardial infarction, s ts (CE 0.625 mg) combined v bo. (See CLINICAL STUDIES $a_{\rm c}$ yeas or meanment with Us UB25 mg alone, relative to placebo. In a graphics by ourgen potentemparasal women. See **CLINCEL STUD NINCS. Dementia and PHECATIONS, Geriatric Use3** () Other dasse of drowyporgestreme acatela, and other combinations and dosage form re not studied in the WH clinical trails and in the absence of compara atmed to be similar. Because of these trails, estrogens with or withour all the lawset effective doses and for the shortset duration consist all the lawset effective doses are for the shortset duration consist and the lawset of the strength and the comparation of the short set and the lawset of the dasset and the mean strength and the comparation of the shortset duration consist and the lawset of the dates are of the mean strength and the comparation of the shortset duration consist and the lawset of the dates are of the mean strength and the comparation of the shortset duration consist and the lawset of the dates are of the mean strength and the shortset duration consist and the lawset of the shortset duration consist and the lawset of the dates are of the shortset duration consist and the lawset of the shortset duration consist and the lawset of the dates are of the shortset duration consist and the lawset of the dates are of the shortset duration consist and the lawset of the dates are of the shortset duration consist and the lawset of the dates are of the shortset duration consist and the lawset of the dates are of the shortset duration consist and the lawset of the dates are of the dates are of the shortset duration consist and the lawset of the dates are of the shortset duration consist and the dates are of the dates are of the dates are of the shortset duration consist and the dates are of the da treatment goals and risks for the individual woman. INDICATIONS AND USAGE have a uterus for the e: derate to severe vasomotor symptoms associated with menopause stmenopausal osteoporosis. When prescribing solely for the preven steoporosis, therapy should only be considered for women at signif on-estrogen medications should be carefully considered. d non-strongen medications should be carefully considered, or decreasing the risk of postmenopeusal adeoporosis are weight b an average of 1500 mg/day of elemental calcium. Therefore, when an average of 1500 mg/day of elemental calcium. Therefore, when entation may be height for women with suboptimal dietary inteke, or 400-000 U/day may also be required to ensure adequate daily i women. omen. 5 ma is also indicated in women who have a uterus for the oderate to severe symptoms of vulvar and vaginal atrophy for the treatment of symptoms of vulvar and vaginal atrophy CATIONS Activella should not be used in women with any of the following condit Control of the second secon genital bleeding. story of cancer of the breast. vein thrombosis, pulmonary embolism, or l xent (e.g., within the past year) arterial throw n or disease. snithivto the ingrectients of Activella 1.0 mg/0.5 mg or Activella 0.5 mg/0.1 i scled prognancy. There is no indication for Activella in pregnancy. There apope assed risk of birth defects in children born to women who have used estroger a contraceptives inadvertently during early pregnancy. Gee PRECAUTIONS. Its route a second seco ing Commer Compared to women receiving paceado (35 x 35 per 100) es in relative risk was demonstrated in year one and a trend toward de ed in years 2 through 5, (See CLINICAL STUDIES in prescribing inform estrogen-alone substudy of WHI, no overall effect on coronary disease i nen receiving estrogen alone compared to placebo. (See CLINICAL ST ears: Participation in an open-label extension of the 21 women. Average follow-up in HERS II was an add so GHD events were comparable among women RS, HERS II, and overall. Large doses of estrogen (5 those used to treat cancer of the prostate and breas 1 brial in men to increase the risk of nonfatal myocar ohiebitis. norms n some studies, the use of estrogens and progestins by postmenopausal enoted to increase the risk of breast cancer. The most important random exported to increase the risk of breast cancer. The most important randomized till thing information). The results from observational studies are generally consistent ring that the second studies are generally consistent ring that are the second studies are generally consistent as have also reported an increased risk of breast cancer for estrogen-plac-proge and a smaller increased risk for estrogen-above therapy, after several years of the cooses risk increased with duration of use, and apparent to return to baseline resolutions, the risk of breast cancer was greater, and became apparent aerlies contained in the resolution of use and apparent to return baseline enses studies, the risk of breast cancer was greater, and became apparent aerlies contained in the resolution of the store-randomized baseline that was baseline and significant variation in the risk of breast cancer among different estrogenes to nome-rules-processition. ve not tound significant variation in the risk of treasts cancer among different et rent estorgen-plus-ropositin conhibitions, does, or routes of a diministration gene-plus-propesitin autibuity, after a mean follow-up of 5.6 years. The WH sub-contract of risk of treast cancer. This substudy, poir use of estorgen amone restorge combination hormone therapy was reported by 26% of the women. The relative ervs 12.4 (45% no.10.11-154), and the absolute risk west 47 vs.33 cases rars, for estrogen plus progestin compared with placeho, respectively. Among risk use 61 hormone therapy, the relative risk of imasive breast cancer was 1.8 was 64% cases per 10,000 women-years, for estrogen plus progestin

gnosed at a more advanced stage in the estrogen-plus-progestin group compared with the group. Metastatic disease was rare, with no apparent difference between the two groups. regnostic factors, such as histologic subtype, grade and hormone receptor status did not diff e substudy of WHI, after an average of 7.1 years of follow-up, CE (0.625 mg daily) with on increased risk of invasive breast cancer (RR 0.80, 95% nCl 0.62-1.04). casscatered with an increased risk of investive breast cancer (RR 0.80, 95' -year biral among 1,176 women who received either unopposed 1 mg esi estratial plus one of three different does of NETA (0.102, and 0.5 mg ancer were diagnosed, two of which occurred among the group of 295 w 1.0 mg/0.5 mg and two of which occurred among the group of 294 wor 10.1 mg NETA. IA. alone and estrogen plus progestin has been reported to result in an increase ograms requiring further evaluation. All women should receive yearly breast. The use of unopposed estrogens in women with intact uteri has been

n combinations is important. Adequate

en, aged 65 to 79 years, was randomized to CE (0.625 m in substudy, after an average follow-un of four years, 40 i geson subsubuy, aner an average nonow-up or hour years, 40 women i group and 21 women in the placebo group were diagnosed with pr isk of probable dementia for estrogen plus progestin vs. placebo was lute risk of probable dementia for CE/MPA vs. placebo was 45 vs. 22

omen-years. compar-laters substudy, after an average follow-up of 5.2 years, 28 women in the estrogen-ail 19 women in the placebo group were diagnosed with probable dementia. The relative risk dementia for C Banev so placebo was 5 / we 25 cases per 10.000 women-years. In from the two populations were pooled as planned in the WHMS protocit, the reported over so of probable dementia was 1.76 (BFX) CI 11-2 260. Since both substudies were conduct

e cententia was 1,76 (95% 61,192,260), since com subsulaites were conducted 79, it is unknown whether these findings apply to younger postmenopausal **WARNINGS and PRECAUTONS, Geriatric Use**.) **e** A two-to four fold increase in the risk of gallbladder disease requiring surgery in

angeris on blood pressure was not seen. blood pressure shour trogen use, with preexisting hypertriglyceridemia, estrogen therapy may be

an exacerbation of asthma ematosus, and hepatic her

ment of Fertility Long-term continuous admi nen with or without a uterus, has shown an in warian cancer. (See BOXED WARNINGS, WA

us administration of natural and synthetic estrogens in certain animal species nov of carcinomas of the breast uterus, ceruity vanina taetia and liver

ntity and quality of breast milk. Detectable amounts of estrogens have been identified in the milk of thers receiving this drug. Caution should be exercised when Activella is administered to a nursing ric Use Activella is not indicated in children. ic Use Clinical studies of Activella did not include sufficient nu lincial studies of ActiveIIa did not include sufficient number of subjects aged 56 and 16 my responded failerently from younger subjects. To of subjects in the estrogen-place progestin substudy of the Women's Health Initiate in C3200 erree 65 - Yavas of age, Niel 66 ($h_{\rm C}$) 1636) erres ($h_{\rm C}$) errors and or or relative risk (CEMPA vs. placed) of non-fatal stoke and invasive breast cancer over compared to when less than 75 years of age, Niel comer gravet fhan 75. Thom-fatal stoke and invasive breast cancer compared to the placeborg orgues arX or 24 per 10,000 vormer-places progest organized breaked orgues to arX or 24 per 10,000 vormer-places and placeborg breaked break

praceoo. r of subjects in the estrogen-alone substudy of WHI, 46% (n=4,943) were 65 year % (n=767) were 75 years and over. There was a higher relative risk (CE vs. placet

ADVERSE REACTIONS See BOXED WARNINGS, WARNINGS and PRECAUTIONS. decause dimical trials are conducted under widely varying conditions, adverse reaction rate in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of an and may not reflect the rates observed in gractice. The adverse reaction information from does, however, provide a basis for identifying the adverse events that appear to be related to the adverse events the adverse events that appear to be related to the adverse events the adverse events that appear to be related to the adverse events the adverse events that appear to be related to the adverse events the adverse events the adverse events that appear to be adverse events the adv

roximating rates. ents reported with Activella 1.0 mg/0.5 mg by investigators in the Phase 3 studies r assessment are shown in Table 6. TABLE 6: ALL TREATMENT-EMERGENT ADVERSE EVENTS REGARDLESS OF RELATIONSHIP REPORTED AT A FREQUENCY OF $\gtrsim 5\%$ with activella 1.0 Mg/0.5 Mg

	Endometrial Vasomotor Hyperplasia Study Symptoms Study (12-Months) (3-Months)		Osteoporosis Study (2 Years)			
	Activella	1 mg E2	Activella	Placebo	Activella	Placebo
1.0) mg/0.5 mg		1.0 mg/0.5 mg		1.0 mg/0.5 mg	
	(n=295)	(n=296)	(n=29)	(n=34)	(n=47)	(n=48)
Body as a Whole						
Back Pain	6%	5%	3%	3%	6%	4%
Headache	16%	16%	17%	18%	11%	6%
Digestive System						
Nausea	3%	5%	10%	0%	11%	0%
Gastroenteritis	2%	2%	0%	0%	6%	4%
Nervous System						
Insomnia	6%	4%	3%	3%	0%	8%
Emotional Lability	1%	1%	0%	0%	6%	0%
Respiratory System						
Upper Respiratory Tract						
Infection	18%	15%	10%	6%	15%	19%
Sinusitis	7%	11%	7%	0%	15%	10%
Metabolic and Nutritional						
Weight Increase	0%	0%	0%	0%	9%	6%
Urogenital System						
Breast Pain	24%	10%	21%	0%	17%	8%
Post-Menopausal Bleeding	1 5%	15%	10%	3%	11%	0%
Uterine Fibroid	5%	4%	0%	0%	4%	8%
Ovarian Cyst	3%	2%	7%	0%	0%	8%
Resistance mechanism						
Infection Viral	4%	6%	0%	3%	6%	6%
Moniliasis Genital	4%	7%	0%	0%	6%	0%
Secondary Terms						
Injury Accidental	4%	3%	3%	0%	17%*	4%*
Other Events	2%	3%	3%	0%	6%	4%

TABLE Repoi Activella 0.5 mg/0.1 mg

	(11=194)	(1=200)	
Body as a Whole			
Back Pain	10%	4%	
Headache	22%	19%	
Pain in extremity	5%	4%	
Digestive System			
Nausea	5%	4%	
Diarrhea	6%	6%	
Respiratory System			
Nasopharyngitis	21%	18%	
Urogenital System			
Endometrial thickening	10%	4%	
Vaginal hemorrhage	26%	12%	

ar Deen and superficial venous thromhosis: nulmonary embolism: thromhonblebit kal Nausea, vorniting; changes in appetite; cholestatic jaundice; abdominal pai ng; increased incidence of gallbladder disease; pancreatitis; enlargement of he ama that may persist when drug is discontinued; erythema multiforme; rrhagic eruption; loss of scalp hair; seborrhea; hirsutism; itching; skin rasi

ave not been reported following acute ingestion of large doses of a drug products by young children. Overdosage of estrogen may caus

ACTIVELLA is a registered trademark of Novo Nordisk FemCare AG. Manufactured by Novo Nordisk A/S, 2880 Bagsvaerd, Denmark Revised December 2006; Version 7 ©2007, Novo Nordisk Inc, Princeton, NJ 08540 132223 শী 🖓

each patient to take home, noting when her next vaccination was due.

When we started this program, we really didn't vaccinate pregnant women with much more than flu shots, if we even did that," said Ms. Koslap-Petraco, a certified pediatric nurse-practitioner, and coordinator of child health for Suffolk County, Hauppauge, N.Y.

In 2005, 954 flu shots and no Td or hepatitis vaccines were administered. In 2006, those numbers jumped to 1,381 influenza, 505 Td, and 1,307 hepatitis A/B vaccines.

Vaccination of pregnant women remains unsupported among many health care professionals, and the current legislative climate provides yet another reason not to vaccinate. In 2006, New York, Missouri, and Washington joined California, Delaware, Illinois, and Iowa in enacting legislation that would restrict the use of thimerosal-containing vaccines. The law is not effective in New York until July 1, 2008.

But Suffolk County passed its own local ordinance in 2006 prohibiting thimerosalcontaining vaccines for children up to age 4 years and pregnant women who attend county health centers. The local law caused many nurses to stop immunizing pregnant women for influenza once the supply of thimerosal-free vaccine ran out, Ms. Koslap-Petraco said.

Go Slow on Lab Tests for Tick Bite, Erythema

LAS VEGAS - Patients who present with localized erythema near the site of a tick bite should not necessarily be referred for laboratory tests, Dr. Jana Hercogova said at a dermatology seminar sponsored by Skin Disease Education Foundation.

In fact, a tick bite followed by a local skin reaction should simply be examined in 1 week and, if the redness persists, treated with antibiotics, said Dr. Hercogova of Charles University, Prague.

Dr. Hercogova said that physicians treating pregnant women should consider the gestational age when choosing treatment. In the first trimester, she advised using penicillin G 20 million U/day for 2 days, with oral antibiotics as an option for the following 2 weeks. If infection is suspected to have begun in the second or third trimester, she said she uses only oral antibiotics-mainly penicillin derivatives.

Physicians should also be familiar with macular and annular erythema migrans, she noted, adding that patients with morphea should also be tested for Borrelia infection. However, she cautioned, "we should treat the patient without [serologic] evidence if we see a clinically clear case.

If tests are done and come back positive for Lyme disease, she recommended treating the patient with doxycycline or penicillin, depending on whether Ehrlichia coinfection is present.

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