## Modern Methods Cut Postpreeclampsia Stillbirths

BY BARBARA J. RUTLEDGE

Contributing Writer

♦ he relative risk of stillbirth following a preeclamptic pregnancy declined dramatically over the last 35 years in Norway, while the relative risk of neonatal death remained stable despite a substantial increase in preterm deliveries, reported Dr. Olga Basso and associates at the National Institute of Environmental Health Sciences and the University of Bergen, Norway.

Data on developed countries show an increasing trend toward managing preeclampsia by inducing deliveries preterm, even before 32 weeks. "Physicians face a real dilemma in balancing the risk of fetal/neonatal/maternal death due to preeclampsia against the increased risk of death associated with preterm delivery," Dr. Basso and her colleagues wrote (JAMA 2006;296:1357-62).

To assess the effect of changing obstetric management of preeclampsia on fetal and infant survival, the investigators reviewed data from the Medical Birth Registry of Norway collected between 1967 and 2003. The analysis was restricted to singleton pregnancies lasting at least 24 weeks in nulliparous Norwegianborn mothers.

The investigators analyzed 804,448 births, including 33,835 pregnancies complicated by preeclampsia. Births were grouped into three roughly equal periods (1967-1978, 1979-1990, and 1991-2003). Logistic regression analysis was used to estimate preeclampsia-related odds ratios for fetal and infant death.

The incidence of stillbirth among preeclamptic pregnancies decreased sevenfold from the period 1967-1978 to the period 1991-2003.

Over the same time span, deliveries before 37 weeks due to medical intervention in preeclamptic pregnancies increased from 8% to almost 20%.

Notably, the relative risk of infant death following preeclamptic pregnancies remained stable, the investigators reported.

"Modern medical management of preeclampsia appears to have been effective in preventing fetal death without causing an increase in infant or maternal death," Dr. Basso concluded.

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CONTRAINDICATIONS: Oral contraceptives should not be used in women who currently have the following conditions: • Thrombophlebitis or thromboembloile disorders • Cerebrovascular or coronary artery disease (current or history) • Valvular heart disease with thrombogenic complications • Uncontrolled hypertension • Diabetes with vascular involvement + breast or personal history of breast cancer • Carcinoma of the endometrium or other known or suspected estrogen dependent neoplasia • Undiagnosed abnormal genital bleeding • Cholestatic jaundice of pregnancy or jaundice with prior pill use • Hepatic adenomas or carcinomas, or active liver disease • Known or suspected WARNINGS

Cigarette smoking increases the risk of serious cardiovascular side effects from oral contraceptive use. This risk increases with age and with heavy smoking (15 or more cigarettes per day) and is quite marked in women over 35 years of age. Women who use oral contraceptives should be strongly advised not to smoke.

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Reference: 1. Data on file. Duramed Pharmaceuticals Inc., Pomona, NY.

findings of minimal risk may be related to the use of oral contraceptive formulations containing lower hormonal doses of estrogens and progestogens.

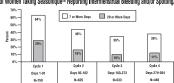
8. Carabnydrate and Lipid Metabolic Effects: Oral contraceptives have been shown to cause glucose intolerance in a significant percentage of users. Oral contraceptives containing greater than 75 micrograms of estrogens cause beginned in lower doses of estrogen cause less glucose intolerance. Progestogens increase insulin secretion and create insulin resistance, this effect varying with different progestational agents. However, in the nonotidate woman oral contraceptives appear to have no effect on tacing blood glucose. Because of these demonstrated effects, preliabelic and diabelic woman should be carefully observed while taking oral contraceptives. A small proportion of women will have persistent hypertrigh-perdident while on the pill. As discussed earlier (see WARININGS. 1.a. and 1.d.), changes in serum trigh/cerides and lipoprotein levels have been reported in oral contraceptive users.

9. Levated Blood Pressure: Women with significant hypertrisons should not be stated on hormonal contraceptive users.

9. Levated Blood Pressure: women thing oral contraceptives and this increase is more likely in older oral contraceptive users and with continued use. Data from the Royal College General Practitions and subsequent andomized this lakes shown that the inclinence of hypertersion increases with increase in blood pressure because the women with hyperterision elect to use oral characeptives. Should be monitored closely, and if significant elevation of blood pressure occurs, or all contraceptives and with a history of hyperterision elect to use oral characeptives. Should be monitored closely, and if significant elevation of blood pressure occurs, oral contraceptives and evaluation of the cause. (See WARINIOS. 1.c.)

11. Bleeding Irregularities. When prescribing Seasonique™ with continued to oral contraceptives and evaluation of the cause. (See WARINIOS. 1.c.)

11. Bleed



As in any case of bleeding irregularities, nonhormonal causes should always be considered and adequate diagnostic measures taken to rule out malignancy or pregnancy. In the event of amenorhea, pregnancy should be ruled out. Some women may encounter post-gill amenorhea or oligomenorhea (possibly with anoustion), especially when such a condition was preexistent.

PRECAUTIONS

1. Sexually Transmitted Diseases: Patients should be counseled that this product does not protect against HIV infection (AIDS) and other sexually transmitted diseases.

mitted diseases,

2. Physical Examination and Follow-up: A periodic history and physical examination are appropriate for all women, including women using oral contraceptives. The physical examination, however, may be deterred until after initiation of oral contraceptives if requested by the woman and judged appropriate by the clinician. The physical examination should include special reterence to blood pressure, breasts, addomen and pelvic organs, including cervical cytology, and event biboratory tests. In case of undergoosed, persistent for recurrent abnormal veginal beleding, appropriate diagnostic measures should be conducted to rule out malignancy. Women with a strong family history of breast cancer or who have breast nodules should be monitored with particular care.

3. Lipid Disorders: Women who are being treated for hyperipidemisms should be followed closely if they elect to use cal contraceptives. Some progestogens may elevate LDL levels and may render the control of hyperlipidemisms more difficult. (See WARNINGS 1d, In patients with familial defects of lipoprotein metab-

event thoratory tests. In case of undiagnosed president or recurrent abnormal sperial bleeding agronorate diagnostic measures should be conducted to rule out relations. Whomen with a strong many history of treast cancer or who have breast endoles should be monitored with particular care.

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5. Huser Fundition: I punctice develops in any woman receiving such drugs, the medication should be discontinued. Steroid hormones may be poorly metal-closed in patients with impaired her function.

5. Fundition for contraceptives may cause some degree of fluid retention. They should be prescribed with caution, and only with careful monitor in patients. They control with patients of the program of the patients becoming significantly depressed withe Eakmy and contraceptives should stop the medication and use an alternate method of contraceptive and contraceptives should stop the medication and use an alternate method of contraceptive and contraceptives should stop the medication of other products. The patients becoming significantly depressed withe Eakmy and contraceptives should stop the medication of other products of contraceptive entered with the symptom so disperience and contraceptives and c

**OVERDOSAGE:** Serious ill effects have not been reported following acute ingestion of large doses of oral contraceptives by young children. Overdosage may cause nausea, and withdrawal bleeding may occur in females.

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## **Teen Reactions** To Pregnancy Vary by Age

Pregnant adolescents aged 12-17 years are more likely than 18- or 19-year-olds to report that their babies would enhance their relationships with others, and older teens are more likely to identify the challenges of teen motherhood, data collected from 247 girls who sought care at a prenatal clinic show.

Understanding the variations in pregnant girls' attitudes toward pregnancy can help health care providers target interventions, although the differences among age and cultural subgroups did not reach statistical significance, reported Cynthia Rosengard, Ph.D., of Rhode Island Hospital in Providence and her colleagues (Pediatrics 2006;118:503-10).

The adolescents completed questionnaires and interviews about the pros and cons of having a baby as a teen. Their mean age was 16.8 years, and data were collected over a 2-year period.

The girls reported stronger connections with others and a sense of responsibility and purpose that might discourage them from other risky behaviors as some advantages of teen pregnancy. Disadvantages included financial concerns, lack of preparedness for motherhood, changing life plans, and missing out on other teenage experiences.

Disadvantages outweighed advantages overall, but several subgroup trends

For example, 64 of 117 (55%) Hispanic teens said having a baby would enhance their connections with others, vs. 62 of 130 (48%) non-Hispanic teens. But most Hispanic and non-Hispanic teens (84% and 75%, respectively) identified changes in life plans as a significant disadvantage to

Additionally, 26 of 58 girls with intended pregnancies (45%) associated the pregnancy with positive changes, vs. 61 of 189 (32%) of girls whose pregnancies were unintended.

-Heidi Splete