Practice Trends

MedPAC Strongly Backs Medical Home Concept

BY ALICIA AULT

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WASHINGTON — The concept of a medical home is one step closer to reality for Medicare patients, after it received strong backing from the Medicare Payment Advisory Commission at its April

All 17 commissioners present at the meeting voted to urge Congress to instruct the Centers for Medicare and Medicaid Services to develop a large pilot study of medical homes for Medicare beneficiaries. The recommendation will be included in MedPAC's June report to Congress.

Most of the commissioners also voted to adjust the Medicare fee schedule to increase payment for primary care, which MedPAC has deemed as undervalued at previous meetings.

The medical home concept has been advanced by the American College of Physicians, the American Academy of Family Physicians, and the American Academy of Pediatrics. A demonstration project is authorized under the Medicare program, but the commissioners said that a larger pilot with clear thresholds could accelerate the evaluation process, and could easily be discontinued or expanded.

The commissioners compiled a wish list of criteria for a medical home, including the ability to provide primary care, use information technology for clinical decision support, conduct care management, offer 24-hour communication with patients, maintain up-to-date records of patients' advance directives, and operate a formal quality improvement program. Also, beneficiaries should agree to adhere to medical home principles by respecting the idea that someone is in charge of coordinating their care, and communicating with the physician when they seek care elsewhere.

There was some debate over whether patients should be allowed to access other providers without a referral, which is permitted under current fee-for-service Medicare. Most commissioners wanted some restrictions, or at least a way to track when patients see specialists, to facilitate assessment of the program's suc-

The medical home would not be limited to primary care physicians; specialists likely would be able to fulfill criteria for participation, according to the commission's vision.

The program would cost \$50 million to \$250 million in the first year, and cost less than \$1 billion over the first 5 years, Med-PAC staffers estimated. The estimate included monthly fees to medical homes, but not anticipated savings, said MedPAC staffer Christine Boccuti.

Dr. Francis Jay Crosson, a commissioner and senior medical director of Permanente Federation in Oakland, called the proposal a "significant evolution" from what had been presented to the panel in 2007. "And I think it's a good evolution," he said.

This is a very exciting recommendation," said Commissioner Jack Ebeler, a health policy consultant in Reston, Va. Promotion of the medical home approach is a direct way to reform the health care delivery system, he added.

Commissioners also said that the medical home recommendation dovetailed with MedPAC's support of increased pay for primary care services.

An adjustment to the fee schedule is "long overdue," said Dr. Ronald Castellanos, a commissioner and urologist in private practice in Ft. Myers, Fla. Increased pay might lure more residents into primary care, and help those currently practicing to stay in the workplace, he said.

The commissioners debated how the CMS could determine which physicians or other health providers—such as nurse practitioners—would receive the update. MedPAC staff presented the increase as budget neutral, which made some pan-

Dr. Nicholas Wolter of the Billings (Mont.) Clinic, suggested that the increase be made without trying to maintain budget neutrality. Dr. Karen Borman, professor of surgery at the University of Mississippi, Jackson, expressed concern that rewarding primary care could end up hurting other physicians.

I have some philosophical problems here," said Dr. Borman, adding that primary care was not always linked with a traditional primary care physician. She said that she often provided what would be considered primary care to her breast cancer patients. Dr. Borman ended up voting against the recommendation for increased pay for primary care.



Brief summary of prescribing information

ESTROGENS HAVE BEEN REPORTED TO INCREASE THE RISK OF ENDOMETRIAL CARCINOMA.

Three independent, case controlled studies have reported an increased risk of andometrial cancer in postmenopausal women exposed to exogenous estrogens for more than one year. This risk was independent of the other known risk factors for endometrial cancer. These studies are further supported by the finding that incident of endometrial cancer have increased sharply since 1969 in eight different areas of the United States with population based cancer-reporting systems, an increase which may be related to the rapidly expanding use of estrogens during that decade.

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The three case-controlled studies reported that the risk of endometrial cancer in estrogen users was about 4.5 to 13.9 times greater than in nonusers. The risk appears to depend on both duration of treatment and on estrogen does, In view of these findings, when estrogens are used for the treatment of menopausal symptoms, the lowest dose that will control symptoms should be utilized and medication should be discontinued as soon as possible. When prolonged treatment is medically indicated, the patient should be reassessed, on at least a semi-annual basis, to determine the need for continued therapy.

Close clinical surveillance of all women taking estrogens is important. In all cases of undiagnosed persistent or reoccurring abnormal vaginal bleeding, adequate diagnostic measures should be undertaken to rule out ma There is no evidence at present that "natural" estrogens are more or less hazardous than "synthetic" estrogens at equi-estrogenic doses.

INDICATIONS AND USAGE VAGIFEM is indicated for the treatment of atrophic vaginitis

he use of VAGIFEM is contraindicated in women who exhibit one or more of the following: Known or suspected breast carcinoma.

Known or suspected breast carcinoma.

Known or suspected estrogen-dependent neoplasia; e.g., endometrial carcinoma.

Abnormal genital bleeding of unknown etiology.

Known or suspected pregnancy (see PRECAUTIONS).

Porphyria.

Hyperspecificity to now MOSITEM constitutions.

- . Porphyria.
 . Hypersensitivity to any VAGIFEM constituents.
 . Active thromboghlebitis or thromboembolic disorders.
 . A past history of thrombophlebitis, brimbolise, or thromboembolic disorders associated with previous estrogen use except when used in treatment of breast malignancy).

1. Induction of malignant neoplasms.

Long-term, continuous administration of natural and synthetic estrogens in certain animal species increases the frequency of carcinomas of the breast, cervix, vagina, and liver. There are now reports that estrogens increase risk of carcinoma of the endometrium in humans (see Bowed Warning). At the present time there is no satisfactory evidence that estrogens given to postmenopausal women increase the risk of cancer of the breast, although a recent long-term follow-up of a single physician's practice has raised this possibility. Because of the animal data, there is a need for caution in prescribing estrogens for women with a strong family history of breast cancer or who have breast nodules (forcystic disease, or abnormal mammograms.

fibrocystic disease, or abnormal mammograms.

2. Gallbladder disease,
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poembolic and thrombotic adverse effects associated with oral contraceptive use should be considered a clear risk. b. Hepatic adenoma. Benign hepatic adenomas appear to be associated with the oral contraceptives. Although benign, and rare, these may rupture and may cause death through intra-abdominal hemorrhage. Such lesions have not yet been reported in association with other estrogen or progestogen preparations but should be considered in estrogen users having abdominal pain and tendemess, abdominal mass, or hypovolemic shock. Hepatocellular carcinoma has also been reported in women taking estrogen-containing oral contraceptives. The relationship of this malignancy to these drugs is not known at this time.

c. Elevated blood pressure. Women using oral contraceptives sometimes experience increased blood pressure which, in most cases, returns to normal on discontinuing the drug. There is now a report that this may occur with the use of estrogens in the menopause and blood pressure should be monitored with estrogen use, especially if high doses are used.

Administration of estrogens may lead to severe hypercalcemia in patients with breast cancer and bone metastases. If this occurs, the drug should be stopped and appropriate measures taken to reduce the serum calcium level. 5. Rare Event Trauma induced by the VAGIFEM applicator may occur, especially in patients with severely atrophic variety murches.

- A complete medical and family history should be taken prior to the initiation of any estrogen therapy. The pretreat-ment and periodic physical examinations should include special references to blood pressure, breast, abdomen, and pelvic organs, and should include a Paparioloau smear. As a general rule, estrogens should not be prescribed for longer than one year without another physical exam being performed.
- Fluid retention—Because estrogens may cause some degree of fluid retention, conditions which might be influenced
 by this factor, such as asthma, epilepsy, migraine, and cardiac and renal dysfunction, require careful observation.
- Familial Hyperlipoproteinemia—Estrogen therapy may be associated with massive elevations of plasma triglycerides leading to pancreatitis and other complications in patients with familial defects of lipoprotein metabolism.
 Certain patients may develop undesirable manifestations of excessive estrogenic stimulation, such as abnormal or excessive uterine bleeding, mastodynia, etc.
- Prolonged administration of unopposed estrogen therapy has been reported to increase the risk of endometrial hyper plasia in some patients.
- pussia in some patients.

 6. Preexisting uterine leiomyomata may increase in size during estrogen use.

 7. The pathologist should be advised of estrogen therapy when relevant specimens are submitted.

Patients with a history of jaundice during pregnancy have an increased risk of recurrence of jaundice while receiving estrogen-containing oral contraceptive therapy. If jaundice develops in any patient receiving estrogen, the medica-tion should be discontinued while the cause is investigated.

- Estrogens may be poorly metabolized in patients with impaired liver function and should be administered with caution in such patients.

- ton in such patients.

 10. Because estrogens influence the metabolism of calcium and phosphorus, they should be used with caution in patients with metabolic bone diseases that are associated with hypercalcemia or in patients with renal insufficiency.

 11. Because of the effects of estrogens on epiphyseal closure, they should be used judiciously in young patients in whom bone growth is not yet complete.

 12. Insertion of the VAGIFEM applicator—Patients with severely atrophic vaginal mucosa should be instructed to exercise care during insertion of the applicator. After gynecological surgery, any vaginal applicator should be used with caution and only if clearly indicated.

 13. Vaginal infection—Vaginal infection is generally more common in postmenopausal women due to the lack of normal flora seen in fertile women, especially lactobacilla; hence the subsequent higher pH. Vaginal infections should be treated with appropriate antimicrobial therapy before initiation of VAGIFEM therapy.

 13. Information for the Patient

B. Information for the Patient

See full prescribing information, INFORMATION FOR PATIENTS.

C. Drug/Laboratory Test Interactions

Certain endocrine and liver function tests may be affected by estrogen-containing oral contraceptives. The following similar changes may be expected with larger doses of estrogens:

a. Increased prothrombin and factors VII, VIII, IX, and X, decreased antithrombin III; increased norepinephrine induced platelet aggregability.

b. Increased thyroid binding globulin (TBG) leading to increased circulating total thyroid hormone, as measured by PBI, Ta, by column, or Ta, by radioimmunoassay. Free Ta resin uptake is decreased, reflecting the elevated TBG, free Ta concentration is unaftered.

- tion is unaltered. c. Impaired glucose tolerance

f. Increased serum triglyceride and phospholipid concentration.

D. Carcinogenesis, Mutagenesis and Impairment of Fertility
Long term continuous administration or natural and synthetic estrogens in certain animal species increases the frequency of carcinomas of the breast, uterus, vagina and liver (see CONTRAINDICATIONS AND WARNINGS).

quency of carcinomas of the breast, uterus, vagina and liver (see CONTRAINDICATIONS AND WARNINGS).

E. Pregnancy Category X

Estrogens are not indicated for use during pregnancy or the immediate postpartum period. Estrogens are ineffective for the prevention or treatment of threatened or habitual abortion. Treatment with diethylstilbestrol (DES) during pregnancy has been associated with an increased risk of congenital defects and cancer in the reproductive organs of the fetus, and possibly other birth defects. The use of DES during pregnancy has also been associated with a subsequent increased risk of breast cancer in the mothers. F. Nursing Mothers

As a general principle, administration of any drug to nursing mothers should be done only when clearly necessary since many drugs are excreted in human milk. In addition, estrogen administration to nursing mothers has been shown to decrease the quantity and quality of the milk. Estrogens are not indicated for the prevention of postpartum breast engograment.

Safety and effectiveness in pediatric patients have not been established.

H. Geriatric Use

H. Geriatric Use Clinical studies of VAGIFEM did not include sufficient numbers of subjects aged 65 and over to determine whether they respond differently from younger subjects. Other reported clinical experience has not identified differences in responses between the elderly and younger patients. In general, lose selection for an elderly patient should be cautious, usually starting at the low end of the dosing range, reflecting the greater frequency of decreased hepatic, renal, or cardiac func-tion, and of concomitant disease or other drug therapy.

ADVERSE EVENTS

Adverse events generally have been mild: vaginal spotting, vaginal discharge, allergic reaction and skin rash. Adverse events with an incidence of 5% or greater are reported for two comparative trials. Data for patients receiving either VAGIFEM or placebo in the double blind study and VAGIFEM in the open label comparator study are listed in the following 2 tables, respectively.

ADVERSE EVENTS REPORTED IN 5% OR GREATER NUMBER OF PATIENTS RECEIVING VAGIFEM IN THE PLACEBO CONTROLLED TRIAL ADVERSE EVENT VAGIFEM % (n=91) Headache Abdominal Pain Upper Respiratory Tract Infection

Genital Moniliasis Back Pain	5 7	2 6
ADVERSE EVENTS REPORTED IN 5% OR GREATER NUMBER OF PATIENTS RECEIVING VAGIFEM IN THE OPEN LABEL STUDY		
ADVERSE EVENT	VAGIFEM % (n=80)	
Conital Druritus	C C	

Headache Upper Respiratory Tract Infection Other adverse events that occurred in 3-5% of VAGIFEM subjects included: allergy, bronchitis, dyspepsia, haematuria, hot flashes, insomnia, pain, sinusitis, vaginal discomfort, vaginitis. A causal relationship to VAGIFEM has not been

DOSAGE AND ADMINISTRATION

VAGIFEM is gently inserted into the vagina as far as it can comfortably go without force, using the supplied applicator.

Initial dose: One (1) VAGIFEM tablet, inserted vaginally, once daily for two (2) weeks. It is advisable to have the patient administer treatment at the same time each day.

Maintenance dose: One (1) VAGIFEM tablet, inserted vaginally, twice weekly.

The need to continue therapy should be assessed by the physician with the patient. Attempts to discontinue or taper medication should be made at three to six month intervals.

Each VAGIFEM" (estradiol vaginal tablets), 25 µg is contained in a disposable, single-use applicator, packaged in a blistel pack. Cartons contains 8 or 18 applicators with inset tablets. 8 Applicators NDC 0169-5173-03
18 Applicators NDC 0169-5173-04
Store at 25°C (77°F); excursions permitted to 15°C-30°C (59°F-86°F) [see USP Controlled Room Temperature].

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9. 1-866-668-633.
9. 1-866-668-635.

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