Reproductive technology and postmenopausal motherhood

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Résumé : Les femmes devraientelles avoir accès aux techniques de reproduction après la ménopause, ou ces techniques devraient-elles être réservées aux femmes stériles en âge de procréer? Cette question d'éthique a été soulevée à la suite de la grossesse de deux Européennes qui ont reçu des ovules fertilisés de donatrices. L'auteur aborde la question en faisant une comparaison avec les jeunes filles prépubères.

59-year-old British woman gave birth to twins recently after a physician in a private Italian clinic implanted her with ova donated by a 29-year-old woman. The physician has performed a similar procedure on a 63-year-old woman.

These cases raise a serious ethical question: Should postmenopausal women have access to new reproductive technologies, or should they be reserved for infertile women of childbearing age?

There are arguments on both sides. Some have argued that the technologies were developed to deal with medically diagnosed infertility during childbearing years; such infertility is an illness, but menopause is *not*. Therefore, the use of these technologies to treat postmenopausal women is medically inappropriate. Furthermore, some have argued that postmenopausal mothers will be old by the time their children reach puberty and this will cause socialization and developmental problems. In any case, the strain of pregnancy is too great for these women and to make this technology available to them would be bad medicine.

Others respond that long before the new reproductive technologies appeared, women in their 50s sometimes had children. No one suggested they were bad mothers because of their age, or said that the children were disadvantaged because they had older mothers. Furthermore, one should restrict access to therapies only if their use is medically contraindicated. In the case of reproductive technologies, this may be true for some postmenopausal women but not for all. To refuse postmenopausal women access to these technologies as a matter of policy is to discriminate on the basis of age. In any case, if people can pay for a health service, then they should have it: the state has no right to interfere.

However, are there general rules that should guide the use of reproductive technologies? Should they only be used to "correct" a health problem, or is it permissible to use them to "improve on nature"?

It may be useful to compare

menopause with puberty. Prepubescent girls are not yet able to have children; postmenopausal women are no *longer* able to have children. In both cases, one is dealing with something inherent in the biologic development of human beings. One could, by way of comparison, ask whether it is ethically defensible to allow prepubescent girls access to reproductive technologies.

When considered this way, several ethically interesting points emerge. That a prepubescent girl may want a child is insufficient reason for giving her access to the technologies. She is neither physically nor emotionally mature enough to have children; to provide her with the technology would be to harm her, and that is ethically indefensible.

Prepubescent girls are not able to give infants the care and nurturing that is necessary and appropriate. Of course, some girls may be able to do this and suffer little, if any, harm from the pregnancy itself. However, when society is faced with the task of developing a policy on these matters, it cannot develop it on the basis of exceptions but must make decisions based on what is likely to happen. Therefore, as a matter of general social principle, prepubescent girls should not have access to reproductive technologies.

Similar points emerge if we apply this reasoning to postmenopausal women. A physician's obligation not to harm a patient is not automati-

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cally overruled by a patient's request for treatment — when it comes to ethics, they are not bound solely by their patients' wishes. Medical standards and ethical concerns remain relevant and in some situations are decisive. If there are clear indications that a postmenopausal woman would be physiologically or psychologically harmed by the use of these technologies, physicians should not provide her with access to them. Many postmenopausal women fall into this category and they should be refused access.

Furthermore, reproduction involves more than one person minimally, it involves the woman and the child. Consequently the woman's interests must be balanced against the interests of the child. If there are reasonable grounds to believe that the interests of either party will be harmed, then the situation has to be re-evaluated.

Some have suggested that there are such grounds in this situation. They maintain that children have the right to as normal a childhood as possible and that this is what underlies welfare legislation that mandates the apprehension of children in need of protection.

There are no data about whether

children of postmenopausal women sustain harm as a result of being born to such mothers, so such experiences cannot be used as a guide. However, adoption criteria do provide a guide that is based on decades of social data and experience. They argue against allowing postmenopausal adoptions; if these criteria were applied, postmenopausal women should not have access to reproductive technologies.

This is not invalidated by the claim that everyone has the right to have children. That right is not like the right to a commodity. Children are persons, and considerations of their best interests are always appropriate in matters of reproduction especially if that reproduction requires explicit intervention and falls outside the social and biologic norm.

What does it mean to state that, with the possible exception of artificial insemination, reproductive technologies are health care technologies? It means that because they are a type of health care, they should be treated like all other types of health care. This in turn means they should not be used to "improve on nature" but to try to bring about as biologically normal a situation as possible.

In other words, it means that the technologies should be used to give infertile women the opportunity to have children during a stage of their lives when biologically this should be possible. It does not mean that they should be used to provide them with an opportunity that would have disappeared in the normal course of events. Therefore, health-related reasons, not private values, should be the only grounds for providing access to the technologies. This rules out the use of reproductive technologies for postmenopausal women.

The CMA took an essentially similar stance in 1990 in its presentation to the Royal Commission on New Reproductive Technologies, and reaffirmed this stance as a matter of formal policy in 1991 (Kluge E-H, Lucock C: New Human Reproductive Technologies: A preliminary perspective of the Canadian Medical Association, CMA, Ottawa, 1991).

The underlying reasons for adopting this position are as valid today as they were then. Postmenopausal women should not have access to these reproductive technologies any more than prepubescent girls should. ■

thromboplastin reagents and provide additional guidance for defining the appropriate therapeutic regimen Initial Dosage - The administration of COUMADIN dosing must be individualized according to the patient's sensi tivity to the drug as indicated by the PT and/or INR. COUMADIN therapy is commonly started above anticipated maintenance dosage levels. A commonly used regimen for COUMADIN is 10 mg/day for 2 to 4 days, with daily dosage adjustments based on the results of PT/INR determinations Use of a large loading dose may increase the incidence of haemorrhagic and other complications, does not offer more rapid protection against thromb formation, and is not recommended.⁵ Lower initiation doses are recommended for elderly and/or debilitated patients and patients with increased sensitivity (see PRÉCAUTIONS). Maintenance - Most patients are satisfactorily maintained at a dose of 2 to 10 mg daily. Flexibility of dosage is provided by breaking scored tablets in half. The individual dose and inte gauged by the patient's prothrombin response. Duration of therapy - The duration of therapy in each patient should be individualized. In general anticoagulant therapy should be continued until the danger of thrombosis and embolism has passed. LABORATORY CONTROL - The PT reflects the depression of vitamin K dependent Factors VII, IX, X and II. There are several modifications of the one-stage PT and the physician should become familiar with the specific method used in the laboratory. The degree of anticoagulation indicated by any range of PTs may be altered by the type of thromboplastin used; the appropriate therapeutic range must be bas the experience of each laboratory. The PT should be determined daily after the administration of the initial dose until PT results stabilize in the therapeutic range. Intervals between subsequent PT determinations should be based upon the physician's judgement of the patient's reliability and response to COUMADIN in order to maintain the individual within the therapeutic range. Acceptable intervals for PT determinations are normally within the range of one to four weeks. To ensure adequate control, it is recommended that additional PT tests are done when other warfarin ducts are interchanged with COUMADIN. TREATMENT DURING DENTISTRY AND SURGERY - The management of patients who undergo dental and surgical procedures requires close liaison between attending physicians, surgeons and dentists. In patients who must be anticoagulated prior to, during, or immediately following dental or surgical procedures,

adjusting the dosage of COUMADIN to maintain the PT at the low end of the therapeutic range, may safely allow for continued anticoagulation. The operative site should be sufficiently limited and accessible to permit the effective use of local procedures for hærencatasis. Under these conditions, dental and surgical procedures may be performed without undue risk of haemorrhage. **CONVERSION FROM HEPARIN THERAPY** - Since the onset of warfarin's effect is delayed, heparin is preferred initially for rapid anticoagulation. Conversion to COUMADIN may begin concomitantly with heparin therapy or may be delayed 3 to 6 days. As heparin may affect the PT, patients receiving both heparin and COUMADIN should have blood drawn for PT determination, at least: 5 hours after the sat IV bolus dose of heparin, or 4 hours after cessation of a continuous IV infusion of heparin, or 24 hours after last subcutaneous heparin injection. When COUMADIN has produced the desired therapeutic range or prothrombin activity, heparin may de discontinued.

AVAILABILITY OF DOSAGE FORMS: COUMADIN	(warfarin sodium)				
tablets are single-scored and imprinted as follows:					

Strength	Imprint Side 1	Imprint Side 2	Colour
1.0 mg	COUMADIN 1	Du Pont	Pink
2.0 mg	COUMADIN 2	Du Pont	Lavender
2.5 mg	COUMADIN 2.5	Du Pont	Green
4.0 mg	COUMADIN 4	Du Pont	Blue
5.0 mg	COUMADIN 5	Du Pont	Peach
10.0 mg	COUMADIN 10	Du Pont	White

Supplied in bottles of 100.

Stability and Storage Recommendations: Protect from light. Store in carton until contents have been used. Store at controlled room temperature (15°C to 30°C). Dispense in a tight, light-resistant container as defined in the U.S.P.

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Complete prescribing information available upon request. ®Trademark of DuPont Pharma.

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