Rituals in antenatal care—do we need them?

A conflict between consumer demand and cost effectiveness

Pregnant women in Britain traditionally have an average of 15 antenatal checks during pregnancy. At each visit, the woman is likely to be weighed and have her blood pressure and fundal height measured and her urine tested for glucose and protein. Someone will attempt to hear the fetal heart with either a Pinard stethoscope or a portable Doppler ultrasound machine, and the mother will be asked about fetal movements. Almost all of these routine procedures are of dubious value.

Body mass index (weight in kg divided by (height in m)\(^2\)) in early pregnancy identifies women at an increased risk of producing an infant that is small for gestational age, and good weight gain (up to 15 kg) ameliorates the outcome in these women. The significance of weight gain in women of normal or above average body mass index is, however, uncertain, and a recent critique of the Institute of Medicine’s recommendations for weight gain in pregnancy commented that “the predictive value of maternal weight gain is low.” The National Perinatal Epidemiology Unit in Oxford has failed to find evidence of the value of weight gain as a screen for poor fetal growth or incipient pre-eclampsia and has suggested reassessment of the need for routine weighing of pregnant women.

In studies of routine antenatal care the assessment of uterine size, even when performed with a tape measure, has a sensitivity of only 15–30% in detecting fetuses whose weight for gestational age is below the 10th centile. In any case, morbidity in labour and the neonatal period is probably related as much to growth velocity as size per se, and both are best detected by serial ultrasonographic measurements of fetal abdominal circumference.

Testing the urine for glucose is not an effective screening method for gestational diabetes. Two thirds of normal pregnant women have glycosuria at some time during pregnancy; restricting glucose tolerance testing to women who have repeated glycosuria identifies less than one tenth of women with chemical diabetes of pregnancy. A similar direction, so there is much to be gained by building on shared principles and experience. In the era of managed health care there never was a clearer need for the medical profession as a whole to have its own strong and coherent sense of direction for medical education.

DONALD IRVINE
Regional adviser in general practice

Regional Postgraduate Institute for Medicine and Dentistry,
The University,
Newcastle upon Tyne NE2 4AB

4 Moore T. The case of the disappearing generalist: does it need to be solved? Milbank Quarterly 1992;70:362-79.
80% of the women appreciated having someone to listen to their problems; there was little change in the physical outcome of the pregnancy. In addition, I suspect that midwives and doctors are haunted by the fear that they might miss something (or at least be accused of missing something) if they don’t conform to the expected ritual.

Current moves to demedicalise and decentralise childbirth, potentially providing more continuity of care, are necessitating radical changes in the organisation of maternity care. They should be seen as an opportunity to discard outdated rituals, rather than simply to transfer them from doctors to midwives. The time saved could be channelled into prospective trials of more promising interventions, such as programmes of smoking cessation, and increasing the time available for training in counselling about the many new screening tests becoming available in early pregnancy.

PHILIP STEER
Professor and head
Academic Department of Obstetrics and Gynaecology, Charing Cross and Westminster Medical School, London SW10 9NH

The routine six week postnatal vaginal examination

Forget it

We have been schooled to believe that routine postnatal vaginal examinations at six weeks are necessary, and current obstetric and midwifery textbooks perpetuate this teaching. We are told how to examine for supposed abnormalities and what correction may or may not be needed. This advice is based on supposition and has now been challenged. Strube pointed out that this routine vaginal examination is illogical. Bowers found that women viewed discussion concerning their baby and how they felt and contraceptive advice as more important than a physical examination.

Sharifi et al studied the case records of 150 women attending their doctor for postnatal checks. Although only 25 had a specific indication, they all had a vaginal examination. An “abnormality” was found in only six of the 125 women who had a routine examination without any specific indication: three had an asymptomatic “bulky” uterus and three had cervical ectopy. None of these patients had any treatment.

Some doctors and midwives recommend that women should not have sexual intercourse until after the routine vaginal examination at six weeks but most women resume sexual intercourse before the postnatal visit—usually between two and four weeks after birth. Some women experience discomfort or bleeding from their vaginal or perineal wounds, but they do not experience important harm.

Some women may have been conditioned to think that a vaginal examination is important, but most see it as a necessary evil rather than a helpful experience. The examination consumes resources, requires a chaperone for male doctors, and uses time that would be better spent on counselling; it should therefore be done only when a specific indication exists. These are mostly obvious and include abnormal discharge and dyspareunia. Women wanting reassurance and those who wish to combine their postnatal visit with the insertion of an intrauterine device or a repeat cervical smear test should also be examined. In addition, those few women complaining of stress incontinence should be examined, mainly to ensure that their endeavours to exercise and strengthen the pelvic floor muscles are directed at the right set of muscles.

The postnatal visit at six weeks is an important opportunity to consider more general disorders such as backache and depression and to discuss infant feeding and immunisation and contraception. Ideally, at these visits the women would see both the general practitioner and the community midwife. A few patients (those with serious complications of pregnancy or childbirth, resulting in serious illness or death of the baby) should also see their consultant obstetrician at this time. Women who were delivered by caesarean section for the first time would benefit from seeing a consultant, who could arrange x ray pelvimetry or computed tomography of the pelvis to improve advice regarding the desirable mode of any future deliveries.

The postnatal visit at six weeks is an important tradition that should be continued. But the emphasis should change, with vaginal examination being limited to women with specific indications.

TONY NOBLE
Consultant obstetrician and gynaecologist
Royal Hampshire County Hospital, Winchester, Hampshire SO22 5DG