The baby-friendly hospital initiative

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A new global 'baby-friendly hospital initiative' has been launched by UNICEF and WHO. Its central elements are hospital practices that are known to promote, protect and support breast-feeding. The health benefits of breast-feeding have been shown to be more extensive than previously believed. The new initiative is needed because the 'code of marketing of breast-milk substitutes' alone has not had enough impact on infant-feeding practices. Also, contrary to expectations in most parts of the world, the health services have generally been unable to help mothers to breast-feed.

The 'baby-friendly hospital initiative' employs four basic interventions that have been shown to be effective in increasing breast-feeding: counselling of the mother, early initiation of breast-feeding, rooming-in and the establishment of support groups for mothers. The main strategy for overcoming institutional constraints to breast-feeding is to train the maternity health care providers. Also, administrative procedures and public information campaigns may be needed.

Figure 1. Factors Affecting Breast-Feeding Practices

- SUPERSTITIONS AND FALSE BELIEFS
- HOSPITAL PRACTICES - separation - samples - prelacteals
- SOCIAL TRANSITION - nuclear family - working mother
- PROMOTION OF BREAST-MILK SUBSTITUTES

- HEALTH EDUCATION
- BABY FRIENDLY HOSPITAL INITIATIVE
- SOCIAL SUPPORT - maternity leave - creches
- CODE OF MARKETING OF BREAST-MILK SUBSTITUTES

The baby-friendly hospital initiative

The World Health Organization (WHO) and the United Nations Children's Fund (UNICEF) have launched a new initiative aimed at promoting breast-feeding through the creation of 'baby-friendly' hospitals. The plan was adopted at a meeting of paediatricians, obstetricians, community health workers, and members of non-governmental organizations in Ankara, Turkey, on 28 June 1991. The initiative aims to encourage hospitals and maternity services to adopt practices known to promote the health and well-being of babies being born in hospitals and the health of the mothers. It includes the promotion of breast-feeding and complements existing strategies as illustrated in Figure 1.

Footnote: This article has been exceptionally approved to be published simultaneously in several medical journals in the Western Pacific region of the World Health Organization in order to reach as many of the target group of nutritionists, obstetricians, paediatricians and hospital administrators working in hospitals and maternity services as possible.

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This communication summarizes some of the large and growing body of scientific evidence that formed the basis for the initiative to make hospitals in the region ‘baby-friendly’. The need for this initiative and the specific interventions used are discussed.

The milk code

The ‘international code of marketing of breast-milk substitutes’1, also known as the ‘milk code’, has been one of the main strategies in the promotion of breast-feeding.

However, only a minority of the WHO’s member states have adopted the Milk Code as legislation since it was introduced in 1981. In countries where it has been adopted, a number of difficulties have arisen, as recently revealed by WHO country case studies on milk code implementation2.

Cumulative evidence of the advantages of breast-feeding

The advantages of breast-milk over its substitutes have been repeatedly shown in studies demonstrating that, among other things, breast-feeding provides protection against morbidity and mortality from diarrhoeal diseases30-39. Recent studies have shown that it also protects infants against respiratory illnesses, such as pneumonia and otitis media38-40. Reduced risk of bacteraemia and meningitis35,40, as well as specific nutritional deficiencies37,38, and sudden infant death syndrome39, have also been reported. Recent studies have indicated a consistent association between bottle-feeding and immune system disorders9,19,21. Diseases such as Crohn’s disease, coeliac disease, insulin-dependent diabetes, and lymphoma belong to this group. Reduced mortality among the breast-fed population in contrast to the artificially fed has also been reported22-26.

For premature babies artificial feeding entails an increased risk of necrotizing enterocolitis27.

The health benefits of breast-feeding to the mother must also be mentioned, such as reduced risk of breast and ovarian cancers18-21, and probable reduced postpartum bleeding.

Breast-feeding also has a marked impact on fertility22. Recent WHO collaborating studies have shown that the so-called lactation amenorrhoea method as a public health means of contraception is as effective as any other known method33. The child-spacing potential of continued breast-feeding has a special importance in countries where birth spacing methods are not widely available.

Role of health services

Contrary to expectations, it has been shown that health services in many parts of the world are not promoting breast-feeding effectively. In a WHO collaborative study on contemporary patterns of breast-feeding in 1981, a negative correlation between attending prenatal clinics and prevalence and duration of breast-feeding was noted globally. In countries where the comparison between home and hospital deliveries could be made, there was a negative correlation between breast-feeding and giving birth in an institution34.

From this we cannot, of course, necessarily draw the conclusion that health services undermine breast-feeding. However, it does appear that health services do not sufficiently promote breast-feeding by encouraging mothers to choose to breast-feed, rather than to yield to the anxiety and problems of initiating breast-feeding that sometimes occur, especially with the first child.

Various more recent studies have also shown that the knowledge, attitudes and skills of health workers in most parts of the world are insufficient in this regard35-40.

The health and economic advantages of changing hospital practices to rooming-in have been dramatically shown in the cases of Baguio Hospital and the Jose Fabella Memorial Hospital in the Philippines, examples in but one country41,42.

Tools for change

These findings, and the fact that breast-feeding is not increasing in the way that is needed to reach national health goals, indicate the need for new approaches, especially in the field of health services.

A ‘baby-friendly’ hospital employs four basic interventions counselling of the mother, early initiation of breast-feeding, rooming-in and the establishment of support groups for mothers.

An observational study in Israel reported a significantly longer period of breast-feeding among mothers who were given appropriate advice by their obstetricians43. Another study, in the form of a clinical trial, demonstrated a higher breast-feeding rate in mothers receiving both in-hospital and home support by a lactation nurse44. In a study carried out in Indonesia, the need for lactation counselling of mothers was shown by assessing the awareness of mothers in maternity clinics. For example, hardly any of them understood the importance of frequent suckling in promoting milk production45.

Several clinical trials have studied the influence of early maternal-infant contact on breast-feeding duration. A positive correlation has been reported in studies made in England, Jamaica, Sweden and the United States46-48. A prospective study on breast-feeding practices in a poor urban echelon in Brazil also showed the importance of the type and timing of the first feed for the baby49. An analysis of nine studies on the effects of hospital practices on breast-feeding duration revealed a significant correlation (P < 0.05) between early contact and duration of breast-feeding50. However, in many traditional societies, where breast-feeding prevalence remains high, the beginning of breast-feeding is usually delayed. It has therefore been concluded that early initiation should be emphasized when traditional patterns of nursing (ie on-demand nursing, especially during the night) are not followed52. Also, unnecessary hospital routines such as gastric emptying of all newborn infants can interfere with successful early mother-infant contact53.

Several observational studies have also reported significant links between rooming-in and longer duration of breast-feeding46. One study compared the duration of breast-feeding of mothers whose infants stayed with them with that of those who were separated for a short period of time (mean 3.3 days) during the first week after delivery. A significant difference (P<0.001) was found in the three-month breast-feeding frequencies of 72% in the ‘roomed-in’ group as compared with 37% in the separated group53.
The support of lay groups, such as the La Leche League, Nursing Mothers Association etc has been reported to have a positive impact on the promotion of breast-feeding. Support in the form of hospital contact with the mothers after they return home was also found effective in an analysis of nine studies on the effect of hospital practices on breast-feeding duration.

The main strategy for overcoming institutional constraints to breast-feeding is to train the maternity health care providers, convincing them of the superiority of breast-feeding. This can be done by providing persuasive and scientifically sound information. Administrative procedures ranging from hospital guidelines to national rooming-in legislation are also needed. Finally, public information campaigns will increase awareness and consumer demand for this kind of support.

References


42 Gonzales R. A large scale rooming-in program in a developing country, the Dr. Jose Fabella Memorial Hospital experience. Int J Gynecol Obstet 1990; 31(suppl 1): 31-4.


摘要

一个新的，综合的婴儿友誼医院的構思已經由聯合國児童基金会(UNICEF)及世界衛生组织(WHO)发起。這個倡議是建立一間保護，促進和支持母乳喂養的医院。

母乳喂養的健康受益，比以前的認識更廣泛得多，由於母乳代用品的市售標準已不能對嬰兒喂養有足夠的影響力，同時，與預防相及，在世界許多地區，健康服務已不能幫助母親們進行適當的母乳喂養，因此，這個新的倡議是需要的。

這個嬰兒友誼醫院的构思，使用了四種基本有效的措施去增加母乳喂養，他們是：親近母親用母乳喂養，早期開始母乳喂養，安排母親與嬰兒同在一室，建立支持母親用母乳喂養的工作組。克服母乳喂養困難的主要策略是培訓孕婦保健人員，提供有說服力的通俗科學資料和有關母乳喂養的管理方法。