Genital tract fistula is a problem commonly encountered in the developing world that affects young women during pregnancy and the labour process, resulting in debilitating urinary and/or faecal incontinence. Historically many women suffered this predicament in Europe and the United States of America, until the middle of the last century. However, with social, economic and health development this problem all but disappeared in the developed world but still poses a major problem in Africa and Asia [1, 2]. Access to modern obstetric care, including caesarean sections, can be limited on these continents. Over the course of a lifetime, 1 in 12 women in Africa will die in pregnancy or labour, particularly in the rural areas [3]. This is a phenomenal figure and akin to three jumbo jets, full of passengers, crashing fatally every 24 hours. More startlingly, for every woman that dies in labour, at least 20 lives are destroyed by terrible injuries sustained during obstructed labour. Long distances combined with high cost of care, and poor nutrition make women more vulnerable to obstetric fistulas, particularly in West Africa [4], the horn of Africa [5] and the Indian sub-continent [6-8].

POSTPARTUM TRAUMA AND GENITAL TRACT FISTULAS

In the developing world early identification of a postpartum or perineal trauma problem soon after childbirth is vital. In many cases, pelvic floor and perineal damage sustained during childbirth can be repaired effectively, if identified and treated as soon as possible. But, when neglected it can lead to debilitating pain, chronic infection and other long-term complications such as faecal and urinary incontinence. In severe cases, the damage can be so severe that a genital tract fistula, an abnormal communication between the vagina and the surrounding pelvic organs, can result.

Social and economic development in the developed world meant that fistulas are no longer a significant cause of morbidity in the post-partum period, but unfortunately, obstetric fistulas still pose a major problem in Africa and Asia [1, 2]. A tremendous disparity exists between risks associated with pregnancy and labour faced by women
in the developing world compared to women from wealthier nations. Over the course of a lifetime, 1 in 30,000 Scandinavian women will die in pregnancy or labour, whereas 1 in 12 will die in Africa, particularly in the rural areas [3]. Furthermore, for every woman that dies in labour, at least 20 lives are destroyed by terrible injuries sustained during obstructed labour. Using the 1:20 ratio, it is estimated that there are up to 2 or 3 million cases of obstetric fistula, still awaiting treatment. This is a conservative estimate by all accounts.

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The main treatment for all types of fistulas remains surgery which is carried out under meticulous circumstances. The success of the repair is not only dependant on good surgery, but also on excellent nursing care and prevention of complications [8][9-11]. However, the number of capable and dedicated surgeons remains a major stumbling block in the management of these patients, as well as a lack of consensus on fistula classification, which affects the appropriate treatment of patients, prognostic evaluation and literature reporting; working in isolation and variable care practices; and little or no evidence based medicine in decision making. In addition, training in fistula surgery is often patchy, inadequate and unfocussed. But most importantly, there is no way to assess trainees or determine their suitability. As a consequence, outcomes for some patients have been very poor indeed.

In the last two years, two highly significant unifying global initiatives were undertaken. The first was by the Federation of Gynaecology and Obstetrics, (FIGO), an international multi-disciplinary body of obstetricians and gynaecologists, who are trying to standardise training and provide an evidence-based training course; and the second was the formation of the International Society of Obstetric Fistula Surgeons (ISOFS), who want to unify surgeons from all over the world in adopting the same
strategy in classification, training and education. This work has been done in conjunction with the UNFPA, WHO and other non-governmental organizations.

Using the agreed information, provided by the fistula surgeons, they were able to formulate and develop learning tools, log-books and objective structured assessments of technical skill for each module. This is the first time such an initiative has been developed for a specific internationally recognised health problem. Using the manual will not only provide a guide to surgical training, but also initiate audit of surgical outcomes thus facilitating research in the field and promoting publication in the medical and nursing literature.

The new way forward in obstetric fistula management is following in the footsteps of many other dedicated doctors, nurses and philanthropists in the past. Though, the objectives are to unify the fistula community, develop standardised training programmes, and improve outcomes it must not be forgotten that this condition is completely preventable. Therefore, the issues which are the basis for it, social and economic development of ‘at risk’ girls/women, need to be tackled. This includes universal access to emergency obstetric services, improving medical care and instituting appropriate integrated social, economic and cultural development programmes. This would effectively prevent the problem. In the long-term, social and economic development will be more cost-effective than medical treatment, but more importantly, it will be highly sustainable. In the interim period, a holistic approach to medical and surgical treatment, rehabilitation and follow up in the community would be the most appropriate.

EPIDEMIOLOGY

There is a significant problem in that we do not have any idea of how prevalent the problem is. Epidemiological studies on obstetric fistula remain inadequate. At the SIU in Marrakech in October 2010, the International Consultation on Vesico-vaginal fistula was undertaken. It was here that the literature was reviewed and the issues regarding the epidemiology of this condition were studied. There was a paucity of literature, but the main study findings were:
They are mainly institutionally-based, retrospective cases series, often written from the perspective of a single fistula surgeon.

The geographical coverage of epidemiological reports is uneven.

However, better and more relevant information is emerging.

The major risk factors appear to be age at first marriage, short stature, pregnancy with a male child rather than a female child, failure to attend ante-natal care, low socio-economic status, low social class, lack of employment and illiteracy.

The impact of fistula on the women were devastating and included divorce, social isolation, worsening poverty, malnutrition, sexual dysfunction, mental illness, insomnia, general ill health and thoughts of worthlessness and suicide.

Documentation of the patient’s obstetric history was poor, and in most cases there was little or no documentation of the patient’s labour history. There is doubt that health services were often lacking.

Recommendations to improve on this difficult situation included the promotion of community-based epidemiological studies, the use of standardised collection tools, the use of observational studies and research that identifies the different profiles of women who manage to overcome the obstacles and successfully access health care, compared to those who do not.

**LOW GTF REPAIR**

Details about repairing low-lying genital tract fistula will be discussed at the workshop.

**CONCLUSION**

Genital tract fistulas remain a significant problem in the developing world. We need more information about the women suffering this condition, to understand how to better impact and improve on their quality of life. We need to engage the women, their families, their society and their governments to help treat the current problem, but more importantly to prevent it in future generations.
REFERENCES


