Government policy and organ transplantation in China

Transplantation in China began in the 1960s, and the number of procedures increased until 2004; since then, the numbers have fallen (figure). In 2006, with 11,000 organ transplants, China ranked second in terms of number of transplants per country. The need for donors, both deceased and living, increases the need for regulation to ensure that the rights of all parties are protected. Therefore a legal framework is urgently needed to regulate professional behaviour, to establish clinical protocols, and to restore equilibrium between the demand for organs and their limited supply.

In China, regulations have lagged behind medical progress, with transplantation expanding in an under-regulated manner. There are four major concerns for China and the international community: regulating quality, an organ market, tourism for transplantation, and the source and rights of the donor. Regulation of transplant centres and quality and the rights of the donor are important issues for developed countries.1–3 China’s desire to regulate its transplant programmes and the willingness of developed countries to assist is reflected in a grant to the Peking Union Medical College and the University of Chicago from the China Medical Board to set up alternative sources of organs in China. 8 Additional safeguards set up to ensure the rights of these non-Chinese individuals travelling to China for the procedure, where access to organs was more rapid and programmes were less expensive than in developed countries. In July, 2007, the Ministry issued a notice that ensured Chinese citizens would be given priority for receipt of an organ. This move supports the recent Istanbul Declaration condemning transplant tourism.7

In China, more than 90% of transplanted organs are obtained from executed prisoners.8 Additional safeguards set up to ensure the rights of these individuals include: written consent for organ removal from the donor; review of all death sentences by the Supreme People’s Court; transplant professionals must not be involved until death is declared; and participation by the Red Cross to publicise the need for organ donation. The Ministry is working with many organisations to set up an organ-donation policy that will allow people to express their wishes on their driver’s licences.9 The Ministry also organised a symposium to discuss the diagnostic criteria for brain death in April, 2008, which is a necessary initial step to set up alternative sources of organs in China.

The new regulations have successfully established baseline requirements for medical institutions to do
transplantations. At present, 87 institutions have full approval from the Ministry of Health; 77 others have provisional approval and 18 months to comply with all the regulations. This number is a reduction from the more than 600 institutions that did transplants 1 year ago. Regulations have been set up to ban transplant tourism. The penalty for participating in a transplant that involves payment for organs is substantial. Reforms have decreased the number of cadaveric organ transplants by more than two or three fold and increased the number of living-related organ transplants by more than 100% in China in 2007. The drop in transplantation over the past 3 years is a result of these changes acting in tandem. Currently, post-transplant registries are being developed. An organisational structure for transplantation must be established to oversee, implement, audit, and set up a balance of authority between the central and provincial governments. A registry of recipients that uses robust methods of data-collection should be started. Donation, use of organs, and selection of patients are currently hospital based, without centralised standards, and a transparent system for organ procurement, equitable organ allocation, and selection of patients is needed.

China is planning regulations for the new phase of transplantation, which will largely conform to international standards. There are nuances within the system to accommodate cultural differences. For example, the laws for brain death will incorporate language that will respect the family’s wishes, especially when they are based on religious belief that requires the whole body be buried. Despite a sharp decrease, capital punishment still exists in China. The long-term goal for social development is to abolish the death penalty but, until then, regulations need to protect prisoners’ rights and desires and separate transplant programmes from the prison system.

**Traditional Chinese medicine**

Systematic reviews show that Chinese herbs and acupuncture can be effective for atopic eczema and chemotherapy-induced nausea, respectively.12 Traditional Chinese medicine (TCM) is one of the oldest healing systems. TCM includes herbal medicine, acupuncture, moxibustion, massage, food therapy, and physical exercise, such as shadow boxing. TCM is a fully institutionalised part of Chinese health care and widely used with western medicine. In 2006, the TCM sector provided care for over 200 million outpatients and some 7 million inpatients, accounting for 10%–20% of health care in China.1