Examining The Barriers To Organ Donation In Patients With Aneurysmal Subarachnoid Haemorrhages

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Managing The Flow (2013)

An NCEPOD report investigating current management of aneurysmal subarachnoid haemorrhages revealed suboptimal referral rates for organ donation. **Up to half of potential donors were not referred.** As demand for organs continues to steadily increase, so does the **need to pursue out all potential sources of donor organs.** Subarachnoid haemorrhages have an estimated mortality of 50% and can **potentially provide young organ donors with less chronic pathology.** This important aspect of end of life care can easily be overlooked. As a tertiary referral centre, it was important to ensure full compliance with the NCEPOD recommendations.

**Research Methods**

**Data Collection**
- Retrospective audit
- Review of NHS Blood and Transplant database
- Adult patients admitted to Neuro-Intensive care between 1 January 2016 and 31 December 2016 with aneurysmal subarachnoid haemorrhage as cause of death

**Data Analysis**
- Fisher’s Exact Test

**Key Findings**

In this centre, organ donation referrals did not limit 100% compliance was achieved. This is above the national referral rates (*p*=0.001). Despite this, **only 30.8% of referred patients proceeded to organ donation.** This was in part due to death prior to donation and a lack of transplantable organs.

**Over half of the potential donors were lost at the consent stage of the process.** Consent remains a complex emotive process which is affected by several factors such as age, ethnicity, prior stated wishes, trauma as the cause of death and religion.

**Addressing Poor Consent Rates**

Consent may be withheld due to pre-existing factors or lack of acceptance that the patient has died. The latter could be addressed by **early brain stem testing** in order to allow relatives more time to accept the inevitable. This could potentially lead to a greater number of suitable organs if the **duration of the multisystemic effects of the associated hyper-responsive cascade is reduced.**

**Ideal Consent Process**

1. Long Contact Model - a relationship with relatives is established prior to any mention of organ donation.
2. A joint pre-planned approach involving a senior doctor and specialist nurse in organ donation.

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