Cohort survey of heart valve replacement patients: does the valve card scheme have room for improvement?
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Patients undergoing heart valve replacement have a high risk of experiencing valve related adverse events such as acute failure of the valve mechanism, valve thrombosis, and peripheral emboli. Immediate availability of information about valves for any valve patient presenting at outpatient clinics, general practitioner surgeries, or acutely at accident and emergency departments may lead to early suspicion and diagnosis of specific complications known to be associated with particular heart valves.1,2 Postoperative surveillance is therefore crucial.

Valve manufacturers have established schemes to provide patients with cards that give details of the valve prosthesis. The process has four to five steps and can fail at any stage, for example when the implanting centre sends implant details to the valve manufacturer (usually via the UK distributor), or when the valve manufacturer sends the implant card to the patient via the implanting centre.

Clinicians have been concerned that current distribution systems may be less than optimal; although valve card schemes have been in place for many years, they have not been independently evaluated. We surveyed a cohort of UK patients who had had heart valves replaced to determine what proportion received an implant card, and when they received it relative to their implant date.

Most patients (77%) and general practitioners (65%) were dissatisfied with the new contract exclusion criteria; 23% of patients and 36% of general practitioners were satisfied with it. In all, 51% of general practitioners re-referred their patient either to another hospital (36%) or back to the original unit (15%).

Comment
There is low acceptance among general practitioners and patients of recently imposed contract exclusions. Subsequent re-refferals transfer patients from one waiting list to another, wasting NHS resources without making waiting lists shorter. It is worrying that one patient with a malignancy was refused NHS treatment under the new system, and this error is consistent with the findings of previous research suggesting that it is unreasonable to expect general practitioners to have the diagnostic and therapeutic skills of specialist clinicians.3 These findings raise questions about the general practitioner’s role in diagnosis and management in the context of restricted secondary services.

Rationing of health services is emotive, involving issues of ethics, finance, and standards of care.4,5 Although possibly a legitimate factor in modern healthcare provision, rationing may be unacceptably restrictive to patients and clinicians. In Florida in 1996, Medicare’s decision to restrict funding of excision of actinic keratoses resulted in litigation (although unsuccessful) by the American Academy of Dermatology, the Florida Society of Dermatology, and the Seniors Coalition.6

With rising political and financial pressures to cut NHS waiting lists, patients with urgent problems are given priority. Those with apparently benign conditions may wait for years to be seen in clinics, or they could be excluded from waiting lists altogether.5 If similar restrictions on service provision continue, this could constitute implicit acknowledgement of an “acceptable level” of missed malignancy. Although rationing of services may be necessary, care must be exercised in its application.

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Methods and results
The UK heart valve registry prospectively collects data on all valve replacements carried out in the United Kingdom.1,2 Currently > 79 000 patients and > 88 000 heart valves are registered. Patients who underwent heart valve replacement between 1 January 1998 and 31 December 1998 were identified from the database and checked against national registers (England, Scotland, Wales, and Northern Ireland) for deceased patients and those lost to follow up. The 2582 patients identified were sent an anonymised questionnaire and asked the date of their operation, if they had received an implant card, and the interval between operation and card receipt.

A total of 1914 patients (74%) responded to the questionnaire. Of these, 47% (n = 898) had not received an implant card 12 months postoperatively (figure). In all, 14% had received their implant card one month postoperatively, 30% three months postoperatively, and 43% six months postoperatively. A small number of patients (≤ 1%) could not remember how long after surgery the card had arrived. 45% identified themselves and were matched against valve manufacturer and implanting centre; 60% of these (n = 519) did not receive an implant card. Three of nine valve manufacturers achieved > 50% (range 53-71%) success in getting implant cards to patients within a year post-

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Childhood deaths from acute appendicitis in England and Wales 1963-97: observational population based study

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The number of children under 15 years of age certified as dying of acute appendicitis each year in England and Wales decreased from the 1930s to the 1980s. Factors contributing to death have been analysed in audits in 1963-7 and 1980-4.\(^1\)\(^2\) We undertook an audit of children dying in 1993-7, compared these results with those of previous audits, examined hospital administrative statistics,\(^3\) and identified possible reasons for the fall in the number of deaths.

Methods and results

We used similar methods to previous audits to examine hospital and coroner’s reports of all 12 childhood deaths in 1993-7.\(^1\)\(^3\) The median age of the children who died was 10.6 (range 3.0-14.2) years. Six children died at home or on arrival at hospital, and six died postoperatively in hospital from multiorgan failure (four in district general hospitals, two in children’s hospitals). Median duration of symptoms before hospital admission or death was 3 (2-6) days. Difficulty or delay in diagnosis was the main factor contributing to death in six cases.

The number of deaths from acute appendicitis in hospital fell from an annual average of 36.2 in 1963-7 to 1.8 in 1993-7. The case fatality rate in hospital has fallen from 1.06 to 0.16 per 1000 discharges with acute appendicitis, a fall of 85% (table). If children who were moribund on arrival at hospital are excluded the decrease is 97%. If the 1963-7 age specific death rates had applied to children admitted with acute appendicitis in 1993-7 the expected number of deaths would have been 50 rather than the nine recorded. Thus 41 of 172 (24%) fewer deaths in 1993-97 may be attributed to a fall in the hospital case fatality rate, the greatest improvement being in the youngest age group.

The number of children with a discharge diagnosis of “acute appendicitis” fell from an annual average of...