Correspondence


Coronary artery bypass grafting and hyperlipidaemia

Sir,

In a recent editorial (1985; 53: 237–9) Thompson and Sapsford advocate energetic long term treatment of hyperlipidaemia to avert graft failure after coronary bypass surgery. This recommendation is based on recent reports that attempted to link progression of atherosclerosis in the native circulation and in venous bypass grafts to serum lipids. Other studies from the same institution and from a different one, however, found no correlation between serum lipids and progression of coronary atherosclerosis.

In a long term follow up of a series of patients with both internal mammary artery and vein grafts we found graft atherosclerosis exclusively in vein grafts; internal mammary artery grafts in the same patients were spared. It is clear, therefore, that factors other than lipids play a more important role in graft atherosclerosis. Venous autografts are destined to fail in the long run irrespective of serum lipid concentrations. The treatment of hyperlipidaemia, therefore, is unlikely to have a significant impact on graft survival. The answer probably lies in choosing biologically superior material, such as internal mammary artery grafts.

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References


This letter was shown to the authors, who reply as follows:

Sir,

The contention of Singh and Sosa that internal mammary artery grafts develop less in the way of late atheromatous changes than do saphenous vein grafts has no bearing on whether the latter survive longer in normolipidaemic than in hyperlipidaemic subjects. This is a separate issue. Whether or not internal mammary artery grafts last longer may be relevant to patients who will need coronary artery bypasses in the future but not to the many thousands who already have saphenous vein grafts. We believe that the study of Campeau *et al* showed a definite correlation between hyperlipidaemia and late vein graft failure and we consider that this justifies lipid lowering treatment, although we acknowledge that this advice is based on data showing non-progression of disease in native vessels rather than in vein grafts.

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References


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Notices

Stress, behaviour and coronary disease
An international congress on stress, behaviour and coronary disease will be held in Melbourne from 16 to 21 February 1986. Further details may be obtained from the Mental Health Foundation of Australia, Suite 23, 20 Commercial Road, Melbourne, Australia 3004.

Electrocardiology
The XIIIth International Congress on Electrocardiology will be held in Washington DC from 10 to 12 September 1986. For details write to Dr P W Macfarlane, University Department of Medical Cardiology, Royal Infirmary, Glasgow G31 2ER, Scotland.

British Cardiac Society
The Autumn Meeting will be held at the Wembley Conference Centre, London, on 26 to 28 November 1985, and the closing date for receipt of abstracts was 1 August 1985.

The Annual General Meeting for 1986 will take place in York on 2 and 3 April 1986, and the closing date for receipt of abstracts will be 2 January 1986.