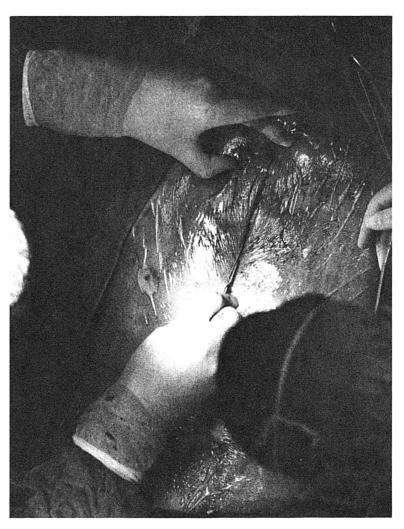


THE INCISION IS MADE (above, right), and the sternum is cut through (above, left). The enlarged aorta is then exposed (below) and the operation is underway.



Marfan's syndrome

Diagram A shows the dilate aorta whose walls are thin and dying. The shaded portion was removed and the two ends the brought together.

Diagram B shows a health aortic valve (located at the bottom of the aorta where the bloom leaves the heart).

Diagram C shows a disease valve. This valve is incapable closing completely and the bloom flows back into the heart.

Diagram D shows the plast valve which replaced the disease one. It consists of a plastic ball in wire cage.





Open heart surgery at

Six months ago a 26-year-old construction worker from Calgary developed shortness of breath and extreme tiredness. This worsened over the ensuing weeks so that by December he was unable to work. The cardiologists in Edmonton and Calgary diagnosed Marfan's syndrome.

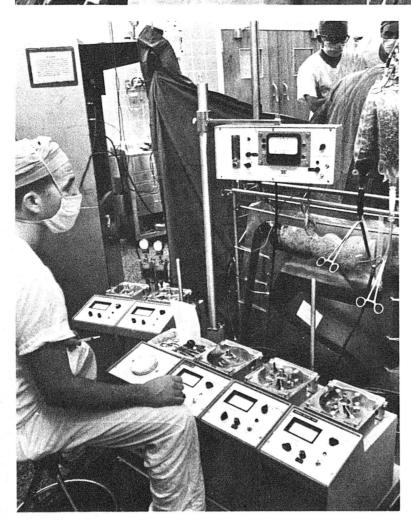
In this disease the aorta (main artery coming off the heart (diagram A), dilates

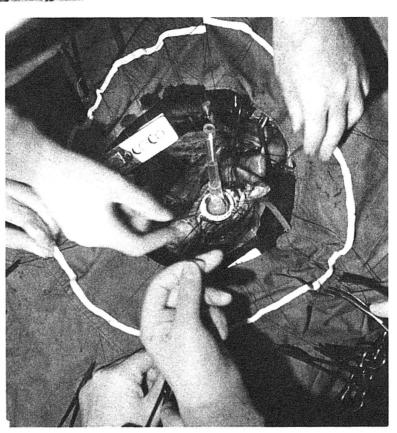
feature by ron yakimchuk

and the aortic valve is made incompete pro (diagram B). The heart enlarges a ion eventually over a few years fails, or the dilated aorta may rupture suddenly causering instant death.

On Jan. 25, Dr. C. M. Couves of the Cardiac Surgery division of the University of Alberta Hospital operated on the Theoretical Date of the Cardiac Surgery division of the University of Alberta Hospital operated on the Theoretical Cardiac Place and the Theoretical Cardiac Place and Tanana and Tanana and Tanana Block and Tanana an

The question of repairing the aorta pos





THE HEART-LUNG MACHINE (left) takes over for the patient's own heart and lungs, and a new valve is inserted at the base of the aorta (above). The next step is the removal of the diseased portion of the aorta, and the rejoining of the aorta sections (right).

