

**Accident victim's fingers saved, stored and transplanted onto other hand**

Doctors have successfully transplanted the fingers of a man's severed hand in the first operation of its kind in Australia.

The man was critically injured in a train accident. His left arm was severed and right arm crushed.

A team of medical staff operated to replace the crushed fingers of his right hand, using those that were saved from his severed left arm.

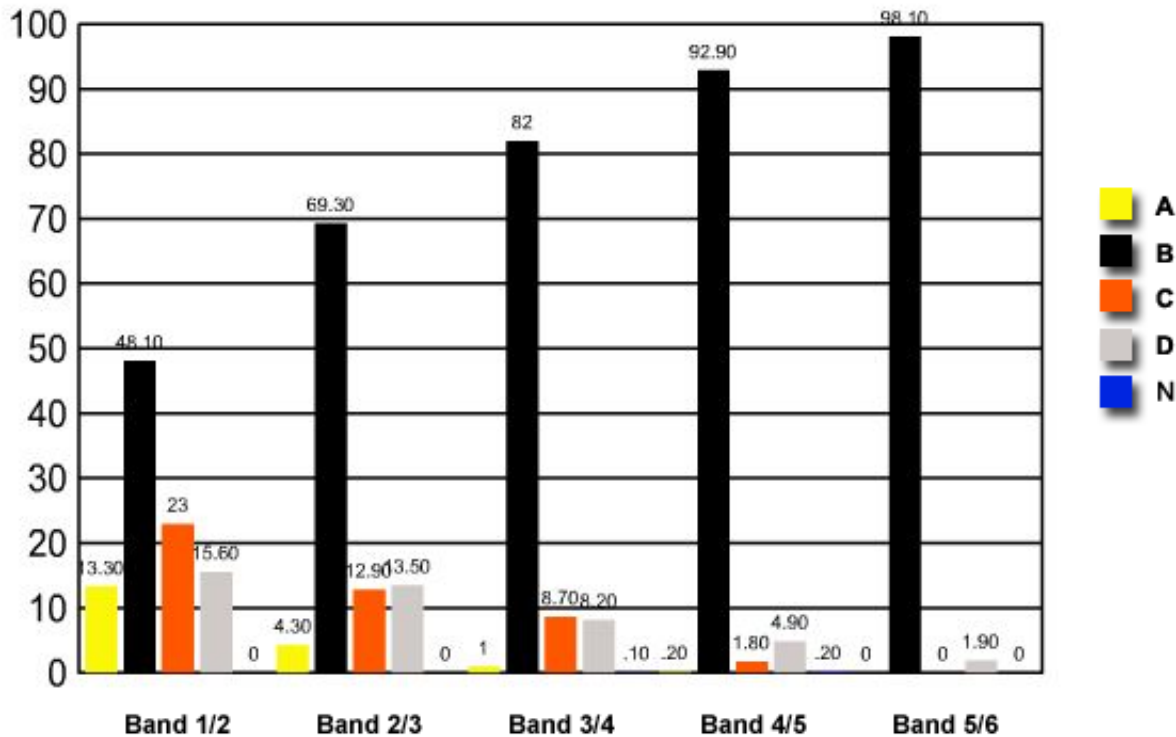
The man is expected to have almost normal use of his hand within nine months.

Transplanted organs and tissues are often rejected. Why was there no tissue rejection in the man described in the above paragraph?

- (A) The man's skin was damaged so his first line defences were not functional.
- ✓ (B) Antigenes on the man's left hand fingers were the same as those on his right hand.
- (C) The man lost so much blood that lymphocytes were not present in sufficient numbers to cause an immune response.
- (D) There was no blood supply to the transplanted fingers so mixing of donor and recipient antigens did not occur.

	Band 1/2	Band 2/3	Band 3/4	Band 4/5	Band 5/6
A	13.30	4.30	1	0.20	0
B	48.10	69.30	82	92.90	98.10
C	23	12.90	8.70	1.80	0
D	15.60	13.50	8.20	4.90	1.90
N	0	0	0.10	0.20	0

Question 12 : % answers correct by band range



The table and graph show, for the groups of students whose marks in the examination corresponded to the borderline between two bands, what percentages of each group selected the responses A, B, C and D. N is used to identify: No valid response.