

Bilateral Proximal Forearm Transplantation: Case Report at 7-Years

INDICATION & OPERATION



Bilateral forearm amputation for electrical burns



Transplant involved:

- Flexor & extensor muscles
- Radio-ulnar osteosynthesis
- Neurorrhaphies of median, ulnar and radial nerves



Immunosuppression:

- Tacrolimus
- Prednisolone
- Mycophenolate/Sirolimus

RESULTS



Function:

- Normal elbow/wrist flexion-extension
- Limited pronosupination and digital movement
- Improved sensation



Quality of Life:

- ✓ Eat
- ✓ Personal hygiene
- ✓ Leisure
- ✓ Employment

Adverse events:

- ❖ Acute rejection & DSA
- ❖ Neuroma & claw deformity
- ❖ Hypertriglyceridemia & hypertension



BROADER OVERVIEW



24 forearm transplants done globally

- 17 viable
- 10 published in journals

Numerous inter-centre variations:

- Indications for transplant
- Operative procedures
- Post-op outcomes measured
- Follow-up time

Iglesias M et al. *Transplantation*. April 2020

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Transplantation

