

# WOODCAST<sup>®</sup>



OXFORD TRAUMA & EMERGENCY CARE

KADOORIE | NDORMS



UNIVERSITY OF  
OXFORD



## Woodcast versus standard casting material for the immobilization of nonoperatively treated distal radial fractures

compare Woodcast, a biodegradable casting material, with traditional fibreglass casts in non-operative wrist fracture treatment.



OVER EIGHT  
MONTHS



883 PATIENTS  
WERE SCREENED



271 WERE  
ELIGIBLE



120 WERE  
RANDOMISED  
ACROSS FOUR UK CENTRES

Outcome: Both Woodcast and fibreglass were safe, effective, and well accepted. Woodcast offers environmental benefits without reducing clinical quality.



- ✓ Fracture of the distal radius
- ✓ Age 16 years or older
- ✓ Able to provide informed consent
- ✓ Not suitable for surgical fixation
- ✓ Requires cast change at first outpatient review



Multicentre, two-arm, open-label, randomized controlled feasibility trial

**DURATION** : 8-month recruitment period

**SITES** : 4 UK trauma centers

**SPONSOR** : University of Oxford

**FUNDER** : Onbone Oy



Both casts are clinically effective and safe. High recruitment and retention rates indicate feasibility for a larger study. Woodcast is a biodegradable, eco-friendly option that maintains patient outcomes.



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