
High-Tech
HANDS

MATCHING QUIZ. WHO YA GONNA CALL?

Symptoms

- 1 Shoulder and arm ache while blow-drying hair
- 2 Whole arm aches after a 70-hour week on the computer
- 3 Multiple joints are swollen, hot, and painful
- 4 Nail bed has a dark patch
- 5 Hands shake involuntarily
- 6 Fingertips are cool and dusky
- 7 Wrist is stiff months after a fracture has healed

Specialist

- A Thoracic surgeon
- B Rehabilitation medicine specialist
- C Rheumatologist
- D Dermatologist
- E Neurologist
- F Cardiologist
- G Hand therapist

So far in the book, when not just having fun, I have mostly discussed ways hand surgeons treat hands. The appendages, however, are not entities unto themselves. Diseases such as rheumatoid arthritis and stroke of course affect the hand, and treatment of these diseases requires other specialists as noted in

The Hand Owner's Manual

Other topics covered in Chapter 11: High-Tech Hands

IS IT TIME FOR HAND TRANSPLANTATION?

It works for hearts and kidneys, how about hands?

WHAT IS MICROSURGERY ANYWAY?

Small surgeons? Small patients? Small problems?

A GOOD ANIMAL BITE

Leech therapy in modern hand surgery

WHAT EXACTLY IS HAND THERAPY?

The cornerstone to a maximally-recovered hand

NONVIOLENCE ON TV

Wrist arthroscopy

ELBOWS, OUR UNSUNG HEROES

But all hell breaks loose when they go bad

BIONIC HANDS

High-tech engineering meets amputation stumps

“AREN'T YOU GOING TO ORDER AN MRI, DOCTOR?”

The merits and limitations of specialized imaging

AIRPORT SECURITY

Does implanted hardware trigger the metal detector?

HANDS IN SPACE

Special gloves for special hazards

HAND SURGERY MEETS MOLECULAR BIOLOGY

Current applications of genetic engineering for hand problems

SOME NERVE!

The biology of nerve healing

LIMB REGENERATION

Salamanders do it, can humans?