

The background of the slide is a collage of various vintage postage stamps and postmarks. Visible text includes 'PAR AVION', '00293', 'MADRID', 'COSTA RICA', and 'POSTAGE'. There are also some numbers and dates like '1950' and '1951'.

A Short History of Shoulder Arthroplasty





1987

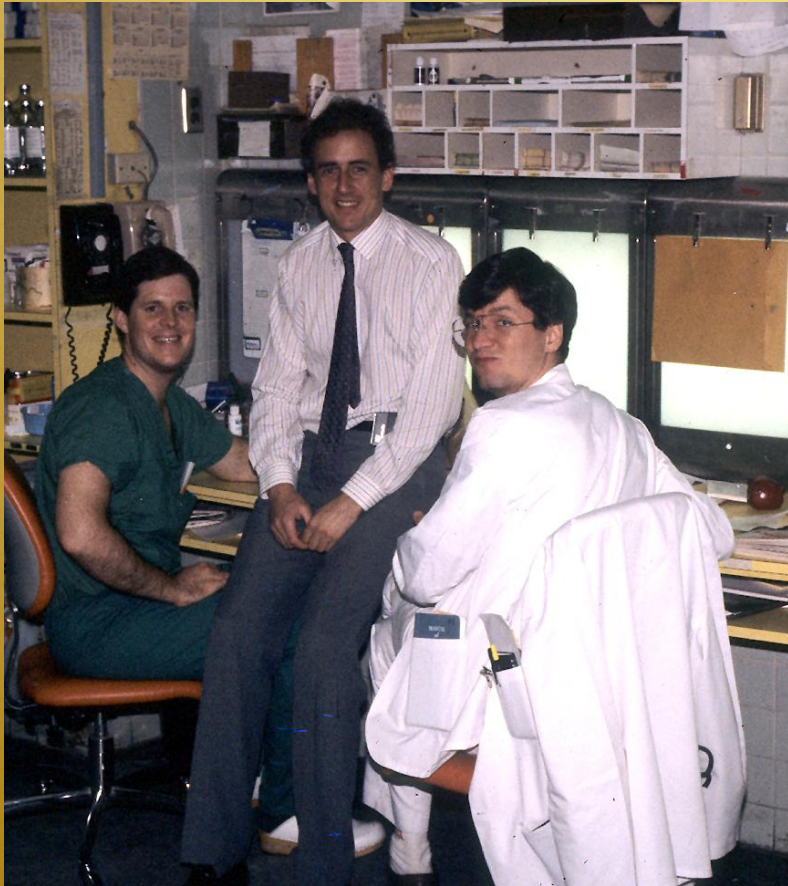
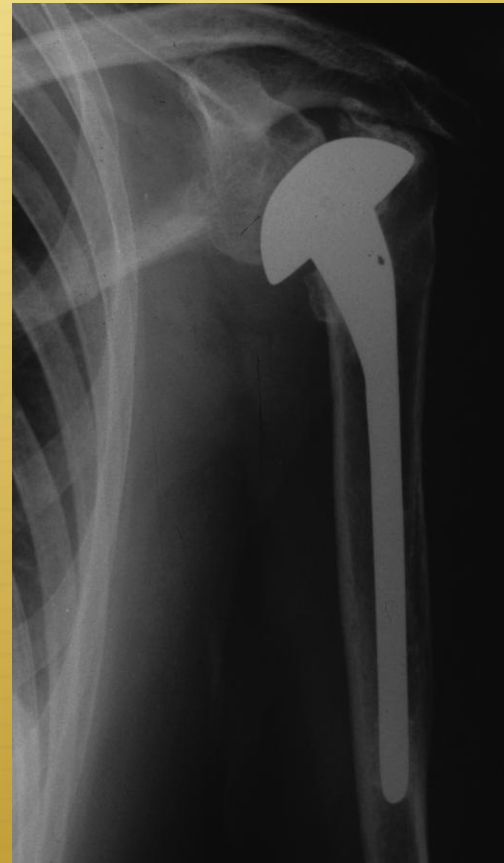
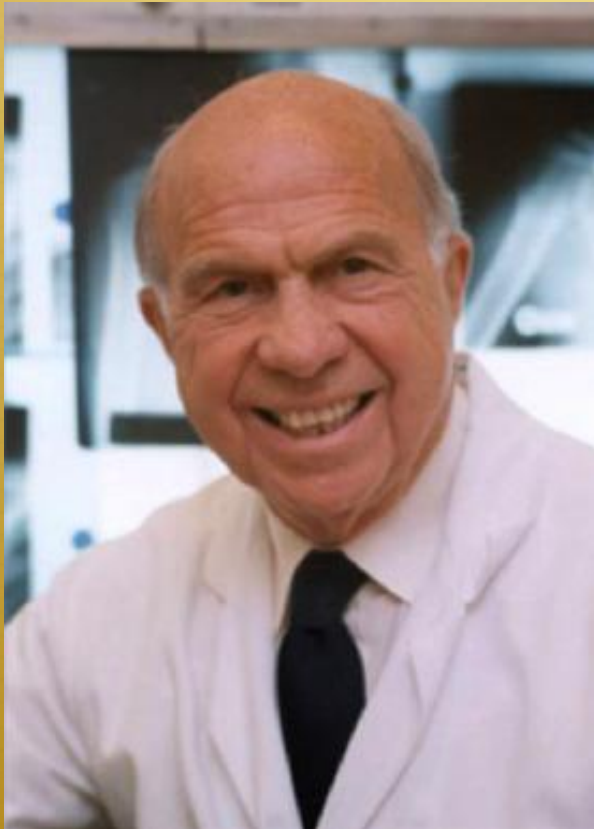


Figure 1 The founding members of the British Elbow and Shoulder Society.

1987



1955



1955

1974



OA>RA



1987



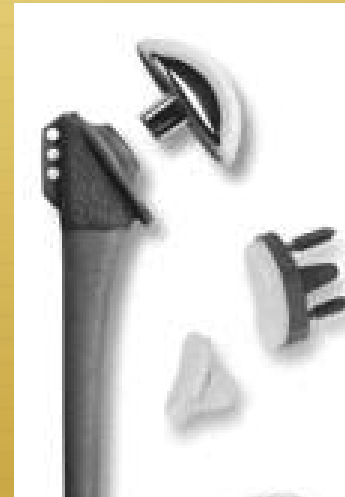
- ✦ Ian Kelly - single diagnosis
- ✦ Neer Total Shoulder Arthroplasty in Rheumatoid Arthritis
- ✦ 42 up to 66/12
- ✦ 34 “abnormal” rotator cuff
- ✦ Flexion 55 ➔ 75
- ✦ 80% glenoid lucent lines
- ✦ No clinical loosening

Technology c 1990

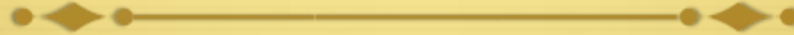


✦ Biomet Biomodular

✦ Why?



Perseverance



- ✦ Rheumatoid (Clement et al)

- ✦ JSES 2010

- ✦ N=36 8-14 yrs

- ✦ Survivorship 89% 10 yrs

- ✦ 1 revised for loose glenoid

- ✦ Cuff failure 50% at 5 yrs

- ✦ OA (Clement et al)

- ✦ J Orth Science 2011

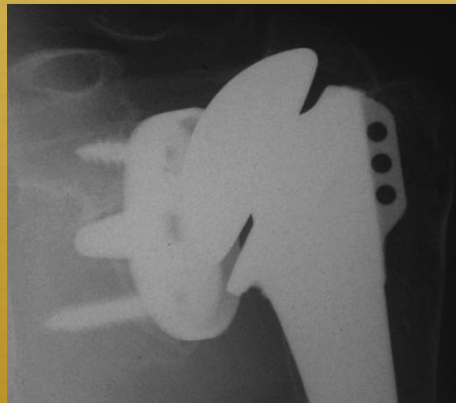
- ✦ N=32 5-15 yrs

- ✦ Survivorship 93% 10 yrs

- ✦ 3 revisions: 2 poly, 1 loose

- ✦ Predictors of failure:

Young/higher preop Constant



The Big Issues



- ✧ Total vs hemi?
- ✧ Glenoid – cemented poly or screw-fixed metal back?
- ✧ Congruent or not/loosening vs shear?
- ✧ “Anatomic” modularity?
- ✧ Soft tissue failure
- ✧ Diaphyseal or metaphyseal?

50 years of innovation

