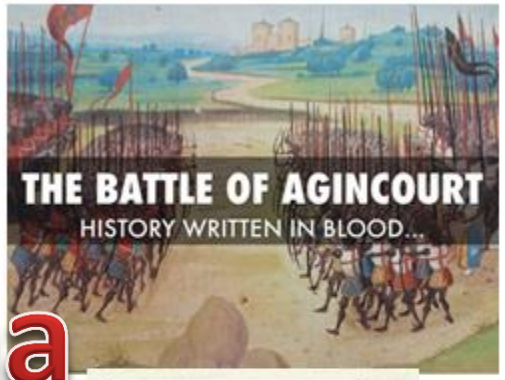
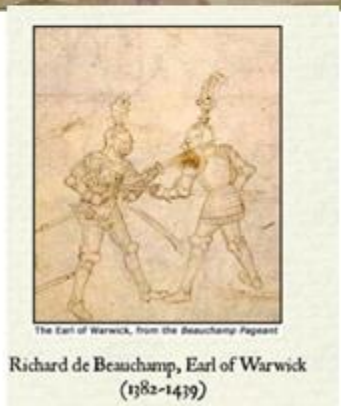
TER in Trauma





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TER in Trauma

Adult distal humeral fractures are relatively rare injuries, comprising 2% to 5% of all fractures and 30% of all elbow fractures.

TER in Trauma

A bimodal age and sex distribution has been reported consisting of high-energy injuries in younger males and low-energy falls in elderly females with osteoporosis.

TER in Trauma

The success of ORIF is dependent on the surgeon's ability to anatomically reconstruct the articular surface with a rigid fixation construct that is durable enough to allow early mobilization

TER in Trauma

For acute distal humeral fractures not amenable to open reduction and internal fixation, total elbow arthroplasty has become an established alternative

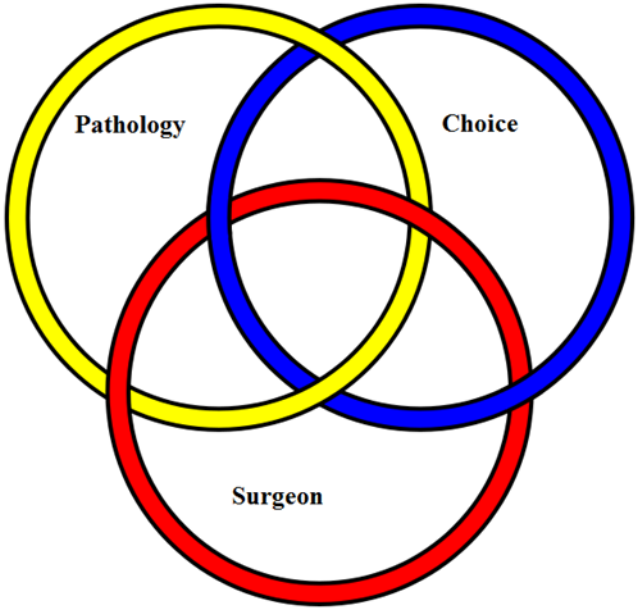
TER in Trauma

Its use as a primary treatment for non repairable acute intra-articular distal humeral fractures in elderly patients gained widespread acceptance when Cobb and Morrey first published their series in 1997.

TER in Trauma

The primary goal of Elbow replacement surgery is pain relief, with a secondary benefit of restoring motion, strength, function, and assisting with returning patients to an activity level as near to normal as possible.

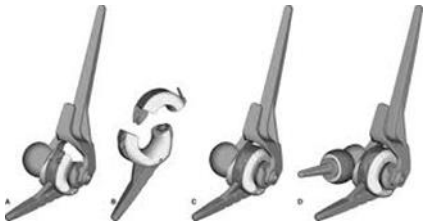
Rationale Of Choice



Rationale Of Choice

Modular
Total/Hemi/Uni
Constrained/Unconstrained
Platform System

Constrained / Semi



What is the evidence

Morrey et al and Stanley et al have published good outcome in Trauma in elderly 1998

Gill DR, Morrey BF. The Coonrad-Morrey total elbow Arthroplasty in patients who have rheumatoid arthritis. A ten to fifteen-year follow-up study. J Bone Joint Surg Am. 1998;80(9):1327–35.

What is the evidence

Complex fractures of the distal humerus in the elderly: Is primary total elbow arthroplasty a valid treatment alternative? A series of 20 cases

P Calvert et al 2013

20 patients (18 women and two men) having an average age of 80 years (range 65–93, median 80). 4 year follow up no infection 2 ulnar nerve problem 85% happy

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What is the evidence

Total elbow arthroplasty for acute distal humeral fractures in patients over 65 years old – Results of a multicentre study in 87 patients

P.Mansata 2013

Eight-seven patients (80 women and 7 men) mean age 79 years old (65–93) underwent total elbow arthroplasty for the treatment of an AO type A fracture in 9 cases, type B in 8 and type C in 70. 6 years 87 % happy

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What is the evidence

Distal Humeral Hemiarthroplasty Versus Total Elbow Arthroplasty for Acute Distal Humeral Fractures

Rajesh Rangarajan 2017

Using modern implants and techniques, distal humeral hemiarthroplasty has shown outcomes comparable to those of total elbow arthroplasty at short- to mid-term follow-up, with an overall higher but different complication rate. Choice available

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What is the evidence

What is my practice

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What is the evidence

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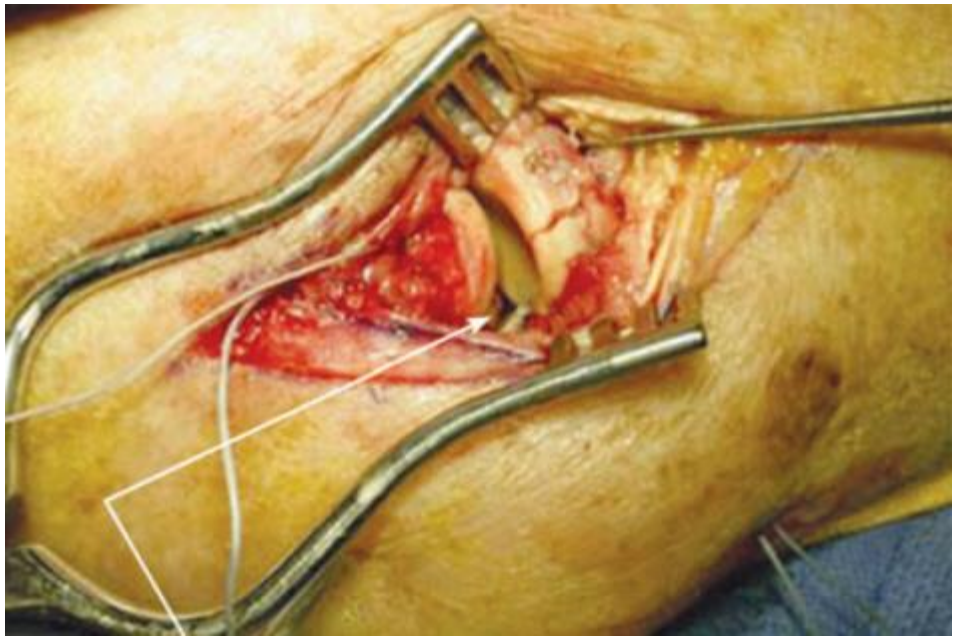
What is the evidence



31st International
PAK ORTHOCON, 2017
16-19th November, 2017
Pearl Continental Hotel Peshawar
THEME: The Challenge of Change
Then emergence of sub-specialities

What is my practice

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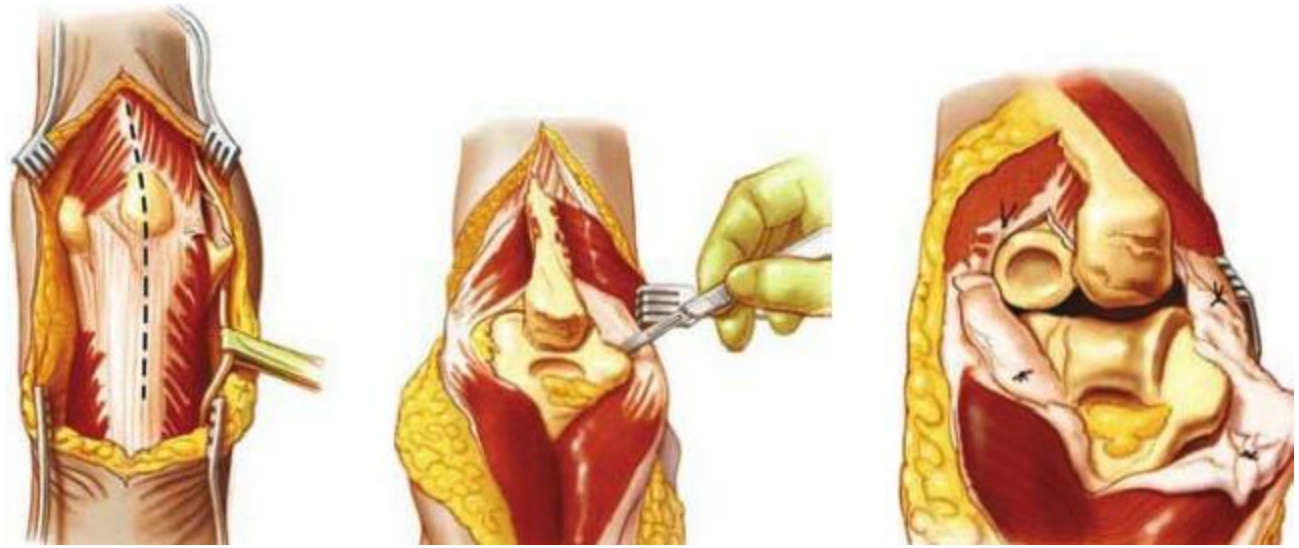
What is my practice



Modified Morrey Approach

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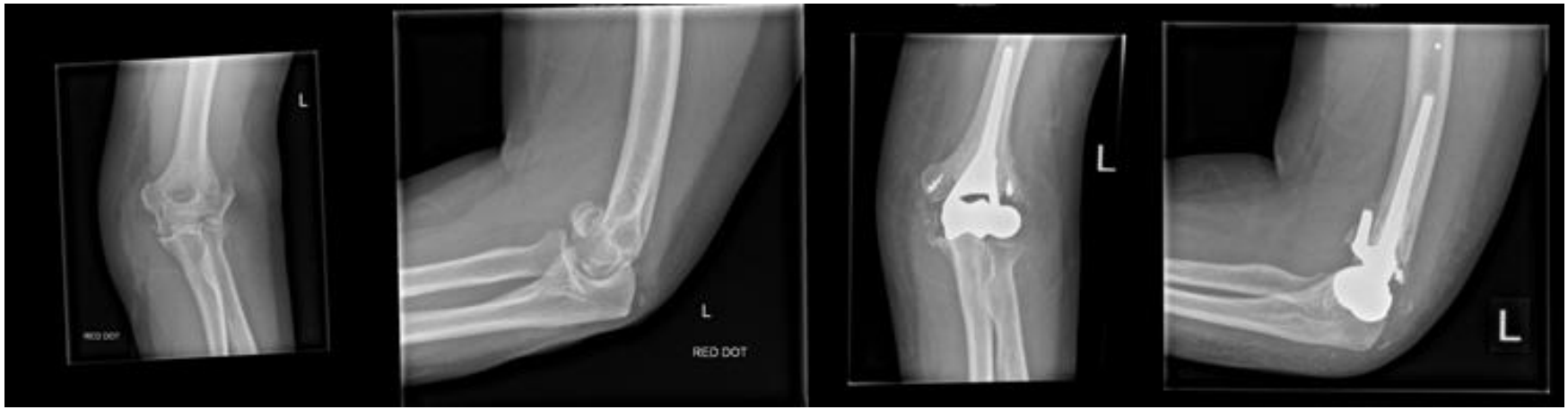
What is my practice

What is my practice



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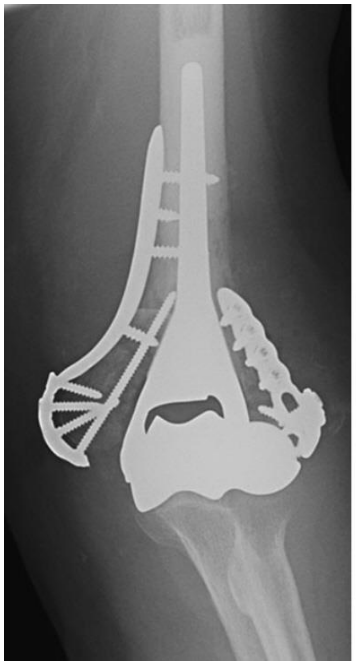
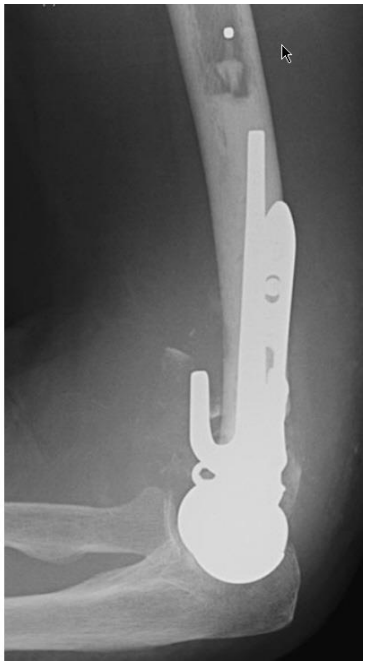
What is my practice

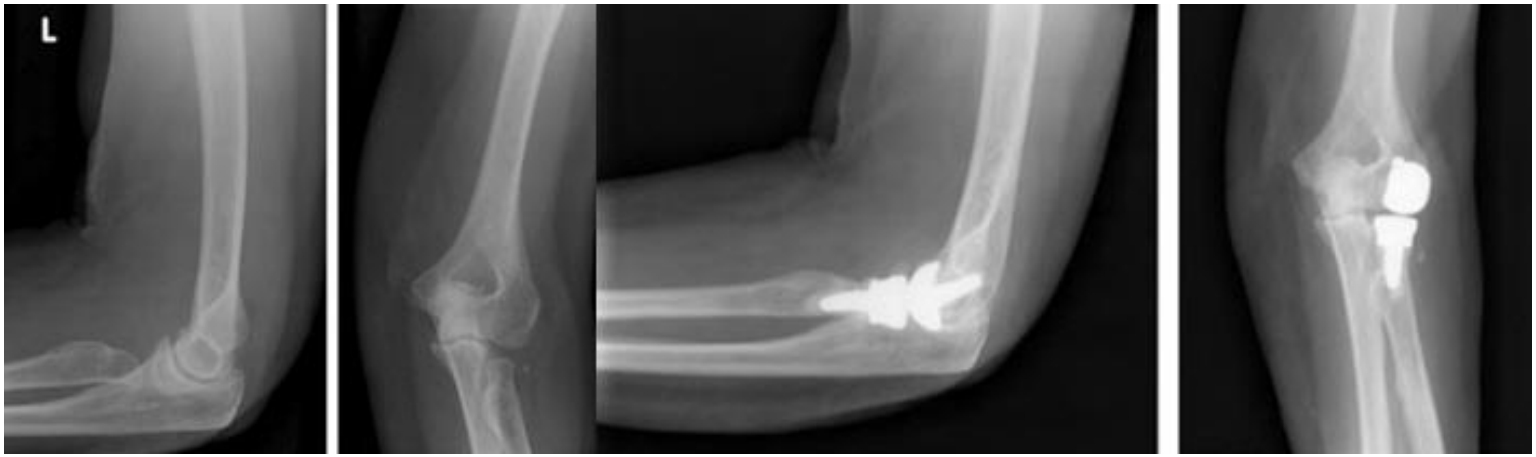



What is my practice





What is my practice



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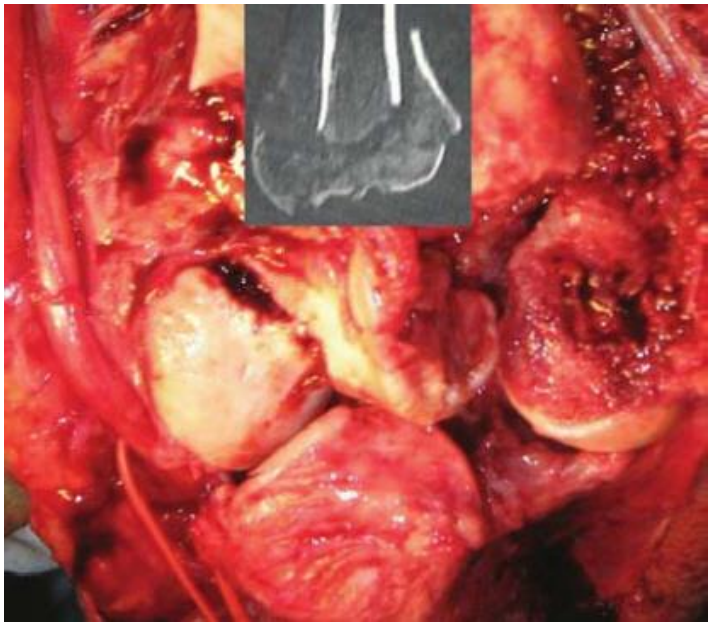
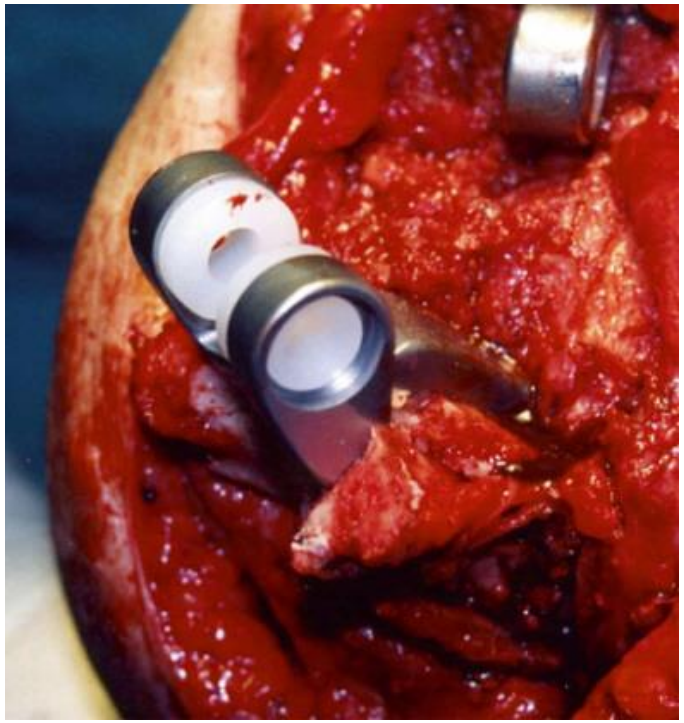
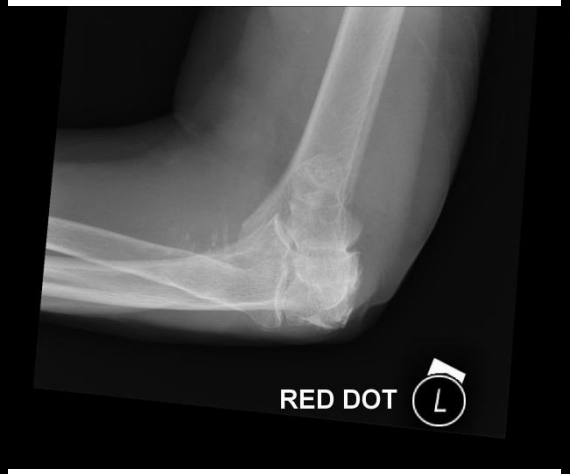




What is my practice



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What is my practice

10-15 TER per year 90% Trauma
2-3 hemi elbow per year 100% Trauma
0-1 uni elbow per year 100% Trauma
4-5 Radial head replacement 100% Trauma

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What is my practice

Done more than 100 TER since 2004

65 plus and unsalvageable elbow

What is my practice

45 TER in Last 5 years

Post approach modified Coonrad approach

Semiconstrained Conrad Moorey TER

What is my practice

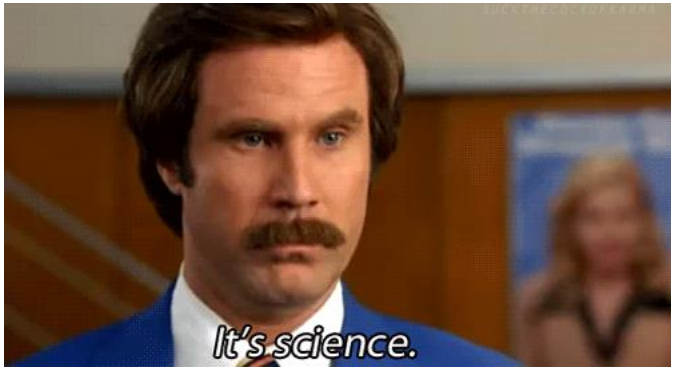
No Revision
No Infection
No Nerve problems
1 Triceps detachment
1 Olecranon fracture

What is my practice

Satisfaction
95% feel better than before
95% have Functional ROM
All will have same operation as before

What is my practice

My results are comparable with published results



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What is my practice

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