Latissimus dorsi Tendon Transfer in Massive Rotator Cuff Tear

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What do you do?
Transfert de Latissimus dorsi

Latissimus dorsi transfer for the treatment of massive tears of the rotator cuff. A preliminary report.

Gerber C, Vinh TS, Hertel R, Hess CW.
It’s a well known transfert...
Paralysie d’Erb

Phipps GJ, Hoffer MM.
Latissimus dorsi and teres major transfer to rotator cuff for Erb's palsy.
Latissimus dorsi transfer for the treatment of irreparable tears of the rotator cuff.

Gerber C.

Department of Orthopaedics, University of Bern, Switzerland.

Sixteen irreparable, massive rotator cuff tears were treated with latissimus dorsi transfer and reviewed after an average of 33 months. There were no neurovascular complications or infections. Pain relief was satisfactory in 94% of the shoulders at rest and in 81% on exertion. Flexion was 83 degrees preoperatively and 135 degrees postoperatively. The functional value of the shoulder averaged 73% of an age- and gender-adjusted normal score. For the 12 shoulders with a functional subscapularis, it averaged 82%; for those four without a functioning subscapularis, 48%. If the subscapularis was torn and could not be adequately repaired, latissimus dorsi transfer was of no value. In cases with good subscapularis function but irreparable defects in the external rotator tendons, restoration of approximately 80% of normal shoulder function was obtained, indicating that latissimus dorsi transfer is a safe and valuable alternative for the treatment of this specific type of irreparable rotator cuff tear.

Without neurovascular complications or infections
Bad results for salvage procedure, insufficiency of the deltoid muscle and subscap rupture......
Aldridge JM, Atkinson TS, Mallon WJ

Degreef I, De Smet L.

Iannotti JP, Williams GR.

Preoperative shoulder function and general strength influence the clinical result....
Latissimus Dorsi Transfer...  
A good solution?

Personal Experience since  
September 2000  
With Dr Eric Lasseur  
(Libourne, France)
But, what about tendon fixation?...
The difficulty is for ...Bone Tendon Fixation...
The idea...
Tubulisation... Like DIDT...
Humerus Transosseous Fixation
The Transfer...
Example before and after 2 years...
Bilateral case...
Complications (47 cases)

- Thrombosis and Pulmonary embolisation (1)
- Hematoma (5)
- Infection (4)
- Bad result (3)
- Brachial plexus palsy (2)
Conclusion 1
Fixation arthroscopique?
Conclusion 2
Excentration Humérale?

Goupil
Conclusion 2
Subscapularis dysfunction?
Humeral Head Excentration?