

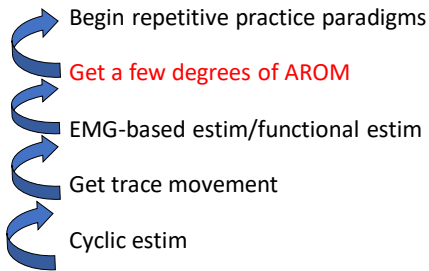
1

Estim: General Considerations

- There must be a very specific goal or expected outcome that will improve daily life in a way that can be objectively measured before ES is prescribed for a patient.
- It may/may not be necessary to use ES for an extended period or the entire lifetime
 - May Not: desired control has been achieved
 - May: i.e. to maintain gains in strength/ROM
- Estim is often used many hours a day.

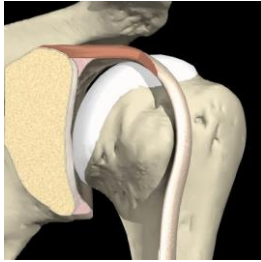
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E-stim Can Be Graded:



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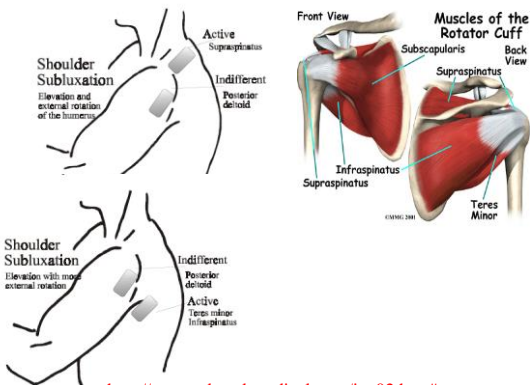
E-stim for Shoulder Subluxation



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- Typically, the 2 muscles to be stimulated are the deltoid and supraspinatus.
- Stimulation of the supraspinatus can be difficult to achieve without activation of the trapezius resulting in elevation of the shoulder girdle.
- If the arm is internally rotated, place the deltoid electrode over the posterior deltoid.
- If even greater external rotation is required, stimulation of the teres minor and infraspinatus can be tried.
 - Paci M, Nannetti L, Rinaldi LA. Glenohumeral subluxation in hemiplegia: An overview. J Rehabil Res Dev 2005; 42(4):557-568.

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<http://www.odstockmedical.com/jan02.htm#upper>

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Video

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Video

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Video

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