

# 86 Y OLD, VERY PAINFUL



# 86 Y CONGENITAL PHOCOMELIA



"Welche Schulterfunktion braucht es"

# PAINFREE, DISSATISFIED



"Welche Schulterfunktion braucht es"

# WHAT IS THE ROLE OF THE SHOULDER?

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it positions,

stabilizes or

moves the hand in space!

"Welche Schulterfunktion braucht es"

# FUNCTIONAL DEMAND



"Welche Schulfunktion braucht es"

# FUNCTIONAL DEMAND

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"Welche Schulterfunktion braucht es?"

# FUNCTIONAL DEMAND



"Welche Schulterf...

es"



# POSTERO - SUPERIOR CUFF DEFICIENCY

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"Welche Schulterfunktion braucht es"





# PSEUDOPARALYSIS



Dysability

"Welche Schulterfunktion braucht es"

# INTERNAL ROTATION!!!

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"Welche Schulterfunktion braucht es"

# TASKS EXAMINED

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- Functional assessment section of the (ASES)
- Standardized Shoulder Assessment Form
- U-Penn Shoulder Score (PSS)
- Simple Shoulder Test (SST)

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# FUNCTIONS ASSESSED (1)

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1. Place a can of soup can on an overhead shelf without bending the elbow
2. Reach the small of one's back to tuck in one's shirt with one's hand
3. Wash the middle of one's back/unhook one's own bra (middle of back)
4. Wash the back of the opposite shoulder
5. Place hand behind one's head with the elbow held straight out to the side

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## FUNCTIONS ASSESSED (2)

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6. Comb hair
7. Place a can of soup on a shelf at shoulder level without bending the elbow
8. Place a 1-gallon container (8-10 lbs) on a shelf at shoulder level without bending the elbow
9. Reach a shelf above one's head without bending the elbow
10. Place a 1-gallon container on an overhead shelf without bending the elbow

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# FUNCTION FOR DAILY ACTIVITIES

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<b>Flexion</b>	<b>121 ± 7°</b>
<b>Abduction</b>	<b>128 ± 8°</b>
<b>Cross body adduction</b>	<b>116 ± 9°</b>
<b>Extension</b>	<b>64 ± 5°</b>
<b>External rotation in 90 abduction</b>	<b>59 ± 10°</b>
<b>Internal rotation in adduction</b>	<b>102 ± 8°</b>

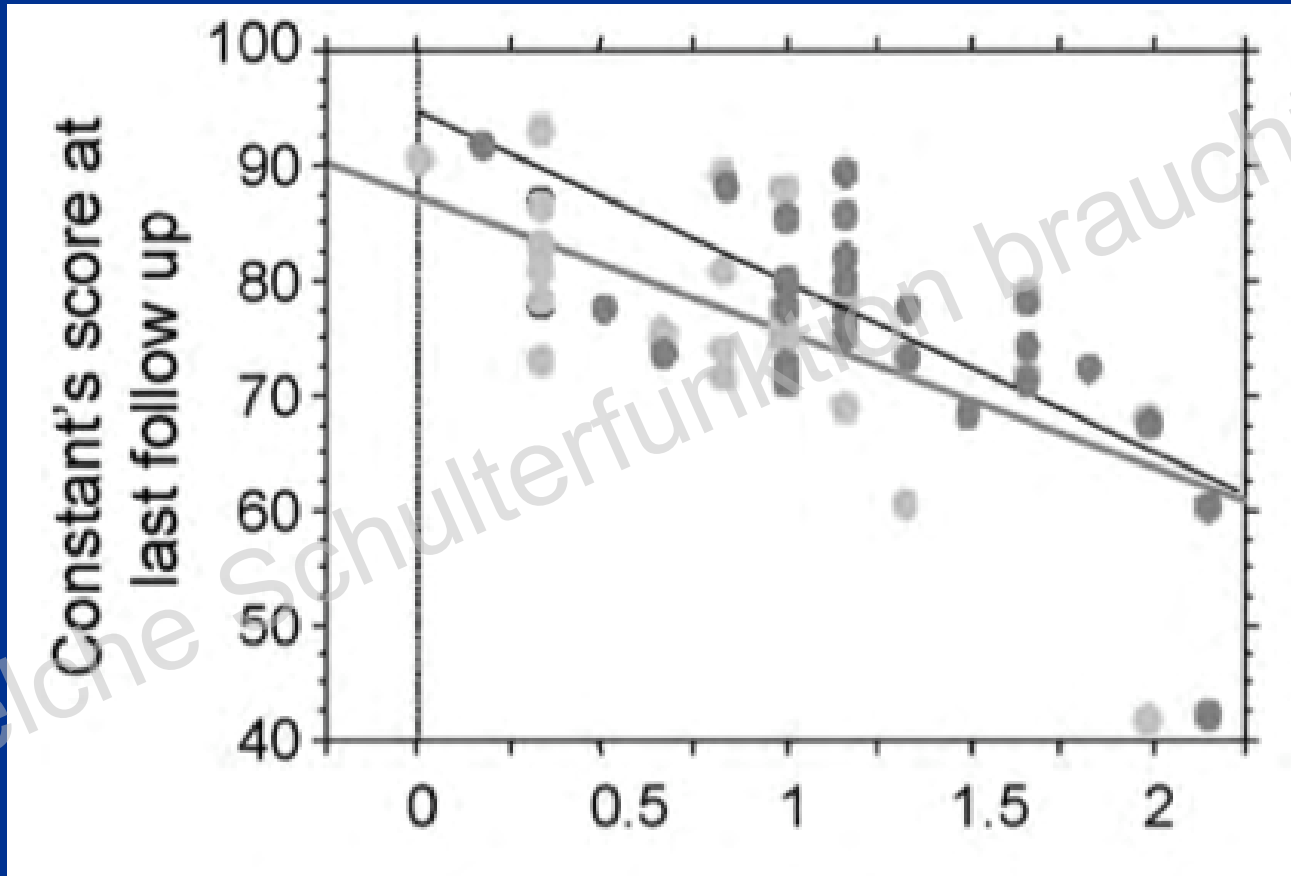
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# OUTCOME OF RTSA IN EUROPE

	<i>n</i>	<i>f-up (m)</i>	<i>CS preop</i>	<i>CS f-up</i>
<i>Sirveaux, 2004</i> <i>JBJS-B, 388</i>	<b>80</b>	<b>40</b>	<b>23</b>	<b>66</b>
<i>Werner, 2005</i> <i>JBJS-A, 1476</i>	<b>50</b>	<b>38</b>	<b>29%</b>	<b>64%</b>
<i>Boileau, 2006</i> <i>JSES, 527</i>	<b>45</b>	<b>40</b>	<b>17</b>	<b>58</b>
<i>Wall, 2007</i> <i>JBJS-A, 1476</i>	<b>191</b>	<b>40</b>	<b>23</b>	<b>60</b>
<i>Molé, 2007</i> <i>RCO, S3, 37</i>	<b>484</b>	<b>52</b>	<b>24</b>	<b>62</b>



# INDEX OF FI AND CONSTANT SCORE



Goutallier, Orthop Traumatol Surg Res 96: 500, 2010

# WE MUST CONTROL ACTIVE ROTATION IN SPACE

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# WE MUST CONTROL ACTIVE ROTATION IN SPACE



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# EXTERNAL AND INTERNAL ROTATION!

