

# MVIC MUSCLE STRENGTH TESTING

<b>Name:</b>	JOHNSON, JOHN	<b>Patient ID:</b>	789	<b>Date:</b>	08/21/06	<b>Test:</b>	4
Age:	9 01/25/98	Diagnosis:	normal	<b>NEUROMU</b>			
Gender:	Male	Refer Phys:	Mendoza	<b>CHILDREN</b>			
Height:	Feet 4	Requesting Phys:		<b>700 CHILD</b>			
	Inch 6	Test Date:	08/12/06	<b>COLUMBU</b>			
	cm	Time:	8:30 AM	<b>WENDY KI</b>			
Weight:	lb 60	Units:	KG	<b>LIZ BOLLN</b>			
	kg						
Indication:							
( ) Verfy Diagnosis	( ) Evaluate Response to Therapy						
( ) Disability Evaluation	( ) Research						

SAMPLE

	This Test	Baseline	This Test % Predict	Last Test % Predict	Change in % Predict	Predicted Strength (UNITS) 95% Confidence Interval		
						Mean		
<b>Upper Extremities (kg)</b>								
Left Shoulder Extensio	18.9	18.6	111.8	110.0	1.6	13.7	16.9	20.1
Left Elbow Extension	11.7	11.5	123.2	121.1	1.7	7.7	9.5	11.3
Left Shoulder Flexion	12.8	12.9	103.7	104.5	-0.8	10.0	12.3	14.7
Left Elbow Flexion	11.8	11.6	115.0	113.1	1.7	8.3	10.3	12.2
Left Hand Grip	18.3	17.8	111.4	108.3	2.8	13.3	16.4	19.6
Right Shoulder Extensi	17.4	17.3	97.4	96.9	0.6	14.5	17.9	21.2
Right Elbow Extension	11.4	11.3	109.1	108.2	0.9	8.5	10.4	12.4
Right Shoulder Flexion	13.2	13.1	99.3	98.5	0.8	10.8	13.3	15.8
Right Elbow Flexion	12.3	12.1	109.7	108.0	1.7	9.1	11.2	13.3
Right Hand Grip	19.5	19.2	102.7	101.1	1.6	15.4	19.0	22.6
<b>Total Upper Extremity Strength</b>	<b>147.3</b>	<b>145.4</b>	<b>107.3</b>	105.9	1.3	<b>137.2</b>		
<b>Right</b>	<b>73.8</b>	<b>73.0</b>	<b>102.8</b>	101.7	1.1	<b>71.8</b>		
<b>Left</b>	<b>73.5</b>	<b>72.4</b>	<b>112.3</b>	110.6	1.5	<b>65.4</b>		
<b>Lower Extremities (kg)</b>								
Right Ankle Dorsiflexio	8.7	8.5	111.7	109.1	2.4	6.3	7.8	9.3
Left Ankle Dorsiflexion	8.5	8.4	131.6	130.1	1.2	5.2	6.5	7.7
Left Knee Flexion	15.3	15.1	108.8	107.4	1.3	11.4	14.1	16.7
Right Knee Flexion	15.3	15.4	104.6	105.3	-0.6	11.8	14.6	17.4
Right Knee Extension	36.2	35.8	107.1	105.9	1.1	27.4	33.8	40.2
Left Knee Extension	35.4	35.1	107.1	106.2	0.9	26.8	33.1	39.3
Right Hip Extension	22.6	22.6	108.2	108.2	0.0	16.9	20.9	24.9
Left Hip Extension	22.0	21.8	109.3	108.3	0.9	16.3	20.1	24.0
Left Hip Flexion	32.9	32.5	111.7	110.4	1.2	23.8	29.4	35.0
Right Hip Flexion	33.0	33.4	97.6	98.8	-1.2	27.4	33.8	40.2
<b>Total Lower Extremity Strength</b>	<b>229.9</b>	<b>228.6</b>	<b>107.4</b>	106.8	0.6	<b>214.1</b>		
<b>Right</b>	<b>115.8</b>	<b>115.7</b>	<b>104.4</b>	104.3	0.1	<b>110.9</b>		
<b>Left</b>	<b>114.1</b>	<b>112.9</b>	<b>110.6</b>	109.5	1.1	<b>103.1</b>		

**Interpretation:**

1. DATA IS ACQUIRED WITH THE QMA SYSTEM. USER MAY REQUEST INFORMATION BY SELECTING THE PROTOCOL, PATIENT AND VISIT. PATIENT AND HEADER INFORMATION IS AUTOMATICALLY FILLED. CELLS ARE AUTOMATICALLY & SEAMLESSLY POPULATED WITH REQUESTED DATA. THE LONGITUDINAL COMPARISONS OF A PATIENT MAY BE EASILY OBTAINED AND OBSERVED.
2. PATIENT INFORMATION MAY BE IN LBS OR KGS - ENCOURAGE COLLABORATION WITH INTERNATIONAL STUDIES
3. AGE AT THE TIME OF TESTING - IS A PRODUCT OF DOB AND TESTING DATE
4. TESTING CAN BE CONDUCTED IN LBS, KGS, OR N - AND PREDICTED STRENGTH WILL BE ADJUSTED TO UNIT OF TESTING MEASUREMENT - AUTOMATIC FUNCTION OF A SUBROUTINE
5. BASELINE IS NORMALLY THE FIRST VISIT, BUT CAN BE SELECTED AS ANY VISIT FOR COMPARISON.
6. THIS TEST CAN BE THE CURRENT VISIT, BUT CAN BE SELECTED AS ANY VISIT FOR COMPARISON.
7. PREDICTED STRENGTH - A PRODUCT OF AGE, GENDER, AND BMI FROM PUBLISHED WORKS & INTERPOLATION.
8. LAST TEST % CHANGE IN PREDICTED - DEVIATION OF PATIENTS EFFORT FROM PREDICTED VALUE
9. THIS TEST % CHANGE IN PREDICTED - DEVIATION OF PATIENTS EFFORT FROM PREDICTED VALUE
10. % CHANGE IN PREDICTED - FROM ONE TEST VISIT TO THE NEXT VISIT

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