

# **RESEARCH ON OCCUPATION, HEALTH & QUALITY OF LIFE: ASKING QUESTIONS IN CLINICAL CARE**

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# A DESCRIPTIVE CLINICAL STUDY

- ✖ The Importance of an Occupation-Based Approach
- ✖ 49 patients scheduling their first appointment with a surgeon to receive a nerve transplant
- ✖ What are their issues? How has their injury effected their life? Why will they need occupational therapy?

Table 1. Names and Descriptions of Major Variables

Measure	Description
Question 1 of the World Health Organization Quality of Life-BREF (QOL)	Perceived quality of life
Reintegration to Normal Living Index	Community Integration
Activity Checklist (Activity Participation)	Activity participation measured by percentage of activities retained following injury.
Pain Questionnaire, Question 4 (Pain)	Average pain level during previous month.
Center for Epidemiologic Studies Depression Scale (Depression)	Depressive symptomatology in the general population.
World Health Organization Quality of Life-BREF, (WHOQOL)	Physical, psychological, social, and environmental quality of life.



Table 2. Demographic Data

	Entire Group (n=49)	Compressive Injury (n=25)	Major Nerve Damage (n=24)
Age (years), mean (SD)	48.06 (14.55)	52.24 (13.50)*	43.71 (14.59)*
Range (years)	18-71	21-77	18-71
Gender, n (%)			
Male	26 (53%)	9 (36%)*	17 (71%)*
Female	23 (47%)	16 (64%)*	7 (29%)*
Marital Status, n (%)			
Married/Living with Partner	29 (59%)	17 (68%)	12 (50%)
Single	11(23%)	4 (16%)	7 (29%)
No Longer Married/Widow	9 (18%)	4 (16%)	5 (21%)
Education, n (%)			
Graduate School	14 (29%)	7 (28%)	7 (29%)
University/College	11 (23%)	5 (20%)	6 (25%)
Partial College	11 (23%)	7 (28%)	4 (17%)
High School (12 years)	13 (25%)	6 (24%)	7 (29%)

Chi-square \*p ≤ .04\*\* p ≤ .01

Table 3. Scores for Variables for Groups

Variable	Expected Score	Compression Injury (n = 25)	Major Nerve Damage (n=24)
Community Re-integration	54	Mean = 47.64 SD = 8.96 Range = 25-55	Mean = 45.33 SD = 10.12 Range = 24-55
Activity Participation	100	Mean = 83.32* SD = 17.24 Range = 42-100	Mean = 74.19* SD = 20.97 Range = 36-100
Quality of Life	5	Mean = 4 SD = 1.08 Range = 1-5	Mean = 3.58 SD = 1.21 Range = 1-5
Depression	<16	Mean = 13.56 SD = 13 Range = 0-52	Mean = 15.58 SD = 11.78 Range = 1-42
Pain	0	Mean = 5.4 SD = 2.60 Range = 0.7-10	Mean = 4.76 SD = 3.21 Range = 1-10
Mann-Whitney U test * $p \leq 0.10$			

Table 4. Activity Participation Scale Scores Diagnostic Groups

Variable	Expected Score	Compression Injury (n=25)	Major Nerve Damage (n=24)
Instrumental Activities	100	Mean = 82.98* SD = 17.55 Range = 38-100	Mean = 70.17* SD = 23.38 Range = 26-100
High Demand Leisure Activities	100	Mean = 71.18** SD = 26.76 Range = 18-100	Mean = 52.29** SD = 34.05 Range = 0-100
Low Demand Leisure Activities	100	Mean = 86.53 SD = 16.01 Range = 48-100	Mean = 83.19 SD = 19.79 Range = 40-100
Social Activities	100	Mean = 87.38 SD = 18.01 Range = 39-100	Mean = 82.23 SD = 19.49 Range = 40-100
Mann-Whitney U test *p ≤ 0.10 **p ≤ 0.05			



Table 6. Correlations of Major Variables

	RNL	Activity Participation	Depression	Pain	Quality of Life
Community Reintegration	--	.76**	-.63**	.37**	.66**
Activity Participation	--	--	-.69**	.47**	.60**
Depression	--	--	--	.59**	-.72**
Pain	--	--	--	--	-.43**
Quality of Life	--	--	--	--	--

Spearman's rho \*\*p ≤ .01

# IN SUMMARY

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In addition to addressing the person's impairment ( exercise, splinting, modalities)

It is imperative to address how their impairment is limiting their activity participation (occupation) as it is highly related to depression, pain, and quality of life.



# MEASURES (ALL PUBLIC DOMAIN)

- ✗ World Health Organization Quality of Life-BREF (QOL)
- ✗ Reintegration to Normal Living Index
- ✗ Activity Checklist (Activity Participation)
- ✗ Pain Questionnaire, Question 4 (Pain)
- ✗ Center for Epidemiologic Studies Depression Scale (Depression)

If you want the measures send me an email

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