

# Spinal Analgesic Drug Delivery for Ehlers-Danlos Hypermobility Type Chronic Pain Treatment: A Case Report

Van Tilburg CWJ\*

Consultant Anesthesiologist and Pain Specialist, Department of Anesthesiology, Bravis hospital, The Netherlands

## Abstract

**Study background:** Chronic pain in patients with Ehlers-Danlos hypermobility type can be a severe, debilitating

## Keywords:

## Abbreviations:

## Introduction

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## Materials and Methods

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## Results

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**\*Corresponding author:** Cornelis W. J. van Tilburg, MD, FIPP, Consultant Anesthesiologist and Pain Specialist, Multidisciplinary pain center, Department of Anesthesiology, Bravis hospital, Boerhaaveplein 1, 4624 VT Bergen op Zoom, The Netherlands, Tel: 0031-887067697; Fax: 0031 887067699; E-mail: [vtilburg@ziggo.nl](mailto:vtilburg@ziggo.nl)

**Received** January 17, 2016; **Accepted** February 22, 2016; **Published** February 26, 2016

**Citation:** Van Tilburg CWJ (2016) Spinal Analgesic Drug Delivery for Ehlers-Danlos Hypermobility Type Chronic Pain Treatment: A Case Report. J Pain Relief 5: 235. doi:10.4172/2167-0846.1000235

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Questionnaire	Baseline Results	3 month results	6 month results	1 year results
<i>HADS</i>				
Depression	12	6	9	7
Anxiety	8	5	5	4
<i>RAND-36</i>				
Physical functioning	15	50	35	30
Role-health	0	50	0	100
Role-emo	33.3	100	33.3	100
Energy/fatigue	15	45	30	30
Emotional	56	76	60	72
Social	37.5	62.5	50	62.5
Pain	22.5	67.5	35	67.5
General	30	35	35	35
Overall	25	100	50	75
<i>PCS</i>				
Rumination	7	2	6	3
Magnification	2	1	0	1
Helplessness	7	4	7	3
Overall	16	7	13	7
<i>CPAQ</i>				
Activities engagement	31			35
Pain willingness	33			27
<i>4DSQ</i>				
Distress	14			4
Depression	3			1
Anxiety	0			3
Somatisation	16			11
<i>ODI</i>				
	52			48
<i>TSK</i>				
	46			75
<i>PCI</i>				
Pain transformation	11			9
Distraction	12			11
Reducing demands	5			9
Retreating	18			14
Worrying	29			17
Resting	12			11

**Table 3:** Baseline - and follow-up results from questionnaires.(HADS = Hospital Anxiety and Depression Scale; RAND-36 = RAND 36 item health survey, almost identical to the Medical Outcome Study (MOS) Short Form-36 (SF-36); PCS = Pain Catastrophizing Scale; CPAQ = Chronic Pain Acceptance Questionnaire; 4DSQ = Four Dimensional Symptom Questionnaire; ODI = Oswestry Disability Index; TSK = Tampa Scale for Kinesiophobia; PCI = PainCoping Inventory).

### Acknowledgements

The author wishes to acknowledge Mrs. N. Kroonen, RN, who is involved in data collection and J. G. Groeneweg, PT, PhD, who is involved in proof reading.

### References

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