

Updated 23 July 2016

## CURRICULUM VITAE

Jean-Pierre Van Buyten

### PERSONAL DATA

Date of birth: April 9th 1954

Place of birth: Sint-Niklaas, Belgium

Marital status: married to Carla Koslowski

Children: Stéphanie, born in 1979  
Barbara, born in 1984

Address: Den Hert 3  
9250 Waasmunster  
Tel: 0032 52/46 17 64  
Fax: 0032 52/46 36 16  
E-mail: vanbuyten@skynet.be

### EDUCATION

College: Sint Jozef Klein Seminarie Sint-Niklaas  
Education: Latin and science  
Graduated in 1972

University: Free University of Brussels (VUB)  
Education: Doctor's degree in medical science, surgery and  
obstetrics  
Graduated in 1980

Further education: Educated in Anesthesia-Intensive-Care medicine, Pain therapy in  
the period of 1980-1984 under the supervision of Prof Dr G  
Haenegreefs

**Anesthesia & Intensive-Care:**  
AZ Middelheim Antwerp  
Children's Hospital Antwerp  
University Hospital Antwerp

**Pain therapy:**  
University Hospital Gent (Dr R Verschraegen Department of  
Anesthesia Prof Dr Rolly)

**Neuroanaesthesia :**

CHU Montpellier (France) (Prof Roquefeuille)

**Obstetric anesthesia :**

CHU Pitié-Salpêtrière Paris (France) (Dr J Seebacher)

Graduated of the special professional degree in **INTENSIVE CARE MEDECINE**  
(26/5/97)

Owner of the CERTIFICATE FOR GOOD CLINICAL PRACTICE ( NIDA Clinical  
Trials Network until September 2019

<b>WORKING EXPERIENCE</b>
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Active since September 1984 as full-time member of the staff in the Department of  
Anesthesia/ Intensive Care/ Pain Clinic AZ Maria Middelaes Sint-Niklaas  
Chairman of the department of Intensive care until 2004

Consultant in Pain Management at the Catholic University of Leuven Dept of  
Anesthesia from 1989 till 1994

Consultant in Pain Management at the University of Antwerp department of Anesthesia  
since March 1997 until 2003

**Current Positions**

Chairman of the Multidisciplinary Pain Centre AZ Nikolaas (former AZ Maria  
Middelaes ) Sint-Niklaas since Jan 2004

Consultant Pain Management:

Pain Clinic

Clinique Du Parc Léopold Brussels Belgium since Jan 2012

Consultant in Pain Management as a visiting physician New Mowasat Hospital Kuwait  
2009-20011. Currently in the Ibn Sina Hospital (Ministry of Health Kuwait )

<b>MEMBERSHIP SCIENTIFICAL SOCIETIES</b>
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- BVAR: Belgian Association for Anesthesia-Reanimation
- ESRA: European Society Regional Anesthesia: organizer of zone meeting BENELUX  
1988

- ASRA: American Society Regional Anesthesia
- BPS: Belgian Pain Society: member of board 1994 – 2000 (Councilor)  
Chairman of the 'Interest-group for interventional pain management'  
Member of the Board 2003- 2006 (Councilor)
- VAVP: Flemish Pain Society for Anesthesiologist; Founding Member,  
President 2012-2017
- INS: International Neuromodulation Society. Founding member of the BENELUX  
Chapter member of the Board (treasurer) until 2005
- ECMT: European Continuing Medical Training: a non-profit organization, organizing  
medical workshops within the requirements of the accreditation, founding member  
and Secretary of the Board (1994-2004), Chairman of the Executive Board since 2005

<b>OTHER ACTIVITIES</b>
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Consultant for Medtronic Inc (Minneapolis Min USA) Neurodivision for interventional pain therapy

Consultant for St. Jude Inc : ( St. Paul Min USA ) Neurostimulation division

Consultant for Nevro Corp. (Menlo Park Ca USA) High frequency neurostimulation

Consultant for Syntilla ( Dallas TX USA ) Neurostimulation for Chronic Migraine

Consultant for Mainstay Medical (Dublin Irl ) : Medial Branch Stimulation.

Master at the Higher Institute Maria Middelaers for nurses where I taught the course of Anaesthesia in the third (final) year for the degree of nursing level A1 1985-1999

Member of the Board of Directors of AMONIS (the pension-fund of the Belgian medical practitioners) since 1992:

- Vice President of the Board ( 2016-)
- Member of the Risk committee
- President of the Audit committee
- Member of the Strategic committee
- Member of the Coordination committee

Member of the Lions Club Waasmunster- Scaldiana (president 2000-2001)

Founding member of Futura (Business Club)

## LANGUAGES

Dutch: fluently  
French: fluently  
English: fluently  
German: passively  
Spanish: passively

## SCIENTIFIC WORK

Ketanserin in postoperative hypertension, hemodynamic profile of the responders :  
Poster at the conference of the Dutch Association for Cardiology in 1984

Spinal Cord Stimulation and Buerger's disease. The last resort therapeutic possibility ?  
Belgian Journal of Medicine vol 46-nr 19 Oct 1990 1403-1407  
Carlier S., Van Buyten

Accidental overdosing with intraspinal morphine caused by misprogramming of a  
synchroed pump  
A report of two cases  
L.Belmans; J.P. Van Buyten; H. Adriaensen  
Acta Anaesth Belg 48: 93 - 97 ( 1997 )

Evaluation of 130 patients who were given spinal cord stimulation for relief of chronic  
non-malignant pain.  
L.Jamaer, J.P. Van Buyten et al  
Proceedings on the fourth international symposium ' The Pain Clinic'  
Tokyo 1990

Hormonal side effects of long-term intraspinal administration of opioids in the treatment  
of intractable non-malignant pain.  
J.Verhelst; J.P. Van Buyten; J.Mayaert et al  
Proceedings of the 8th meeting of the European Neuroendocrine Association  
September 11-13 1997

Treatment of Failed Back Surgery Syndrome Patients with Low Back and Leg Pain : A  
Pilot Study of a New Dual Lead Spinal Cord Stimulation System.  
JP Van Buyten, G. Milbauw, J.Van Zundert,  
Neuromodulation, Volume 2, Number 4, 1999, 258-265

The place of nerve blocks and invasive methods in pain therapy: evidence-based results  
in chronic pain relief: Spinal Cord Stimulation: JP Van Buyten  
Baillière's Clinical Anaesthesiology-Vol 12, No 1, March 1998 ISBN: 0-7020-2402-3

Co-author of the consensus statement " NEUROMODULATION OF PAIN"  
European Journal of Pain ( 1998 ) , 2 203 - 210

Intrathecal Opioid Therapy for Pain: Efficacy and Outcomes  
W. Winkelmueller, K. Bruchiel : JP Van Buyten Neuromodulation Volume 2, Number 2, 1999 67-76

Drug Adverse Events and Systemic Complications of Intrathecal Opioid Delivery for Pain: Origins, Detection, Manifestations, and Management  
C. Naumann, S. Erdine, A. Koulousakis JP. Van Buyten, M Schuchard. :  
Neuromodulation Volume 2, Number 2 1999 92-107

Endocrine consequences of long-term Intrathecal Administration of Opioids  
R. Abs, J Verhelst, J Maeyaert, JP Van Buyten, & al  
Journal of clinical endocrinology and metabolism: 85 (2000) p 2215-2222

Spinal Cord Stimulation  
J.P. Van Buyten Chapter 22 Lumbar Spinal Stenosis ( R. Gunzburg and M szpalski  
Lippincott Williams & Wilkins , Philadelphia 2000)

Technique of Cervical Epidural Steroid injection  
JP Van Buyten , Pain Digest Vol 9; 4, 253-54

Current use of Epidural Corticosteroids in Belgium Results of a Recent Survey  
J Van Zundert, JP Van Buyten Pain Digest Vol 9; 4, 228-29

Efficacy of Spinal Cord Stimulation: 10 Years of Experience in one Single Center in Belgium  
JP. Van Buyten, J. Van Zundert, P Vueghs, L Vanduffel  
European Journal of Pain (2001) 5: 299-307

Tutorial II: Neuromodulation of Pain: Cost-effectiveness of Spinal Cord Stimulation  
JP Van Buyten European Journal of Pain 1999, 3 404-405

The Degenerative Cervical Spine Marek Szpalski and Robert Gunzburg  
Lippincott Williams & Wilkins, Philadelphia C 2001 p 157-159  
The Use of Radiofrequency and Neuromodulation Techniques

Effectiveness of an Acute Pain Service Insertion in a General Hospital  
E Vlaeminck, I smet, A Dierickx, JP Van Buyten, P Vueghs, H Fannes, L. Vanduffel  
Poster at the 2<sup>nd</sup> World Congress of World Institution of Pain Istanbul June 26-29 2001

Treatment of Chronic Back and Leg Pain: Advances in the application of Spinal Cord Stimulation  
JP Van Buyten Publication for Spanish Pain Society;

The Pain Cycle: Implications for the diagnosis and treatment of Pelvic Pain Syndromes  
K.Everaert, J. Devulder, M. De Munck, S. Stockman, H. Depaep, D. De Looze, J.P.  
Van Buyten, W. oosterlinck *Int Urogynecol J* (2001) 12;9-14

The performance and safety of a fully Implantable Spinal Cord Stimulation System in Patients with chronic Pain: a 5-Year Study

Jean-Pierre Van Buyten

Neuromodulation, Volume 6, Number 2 April 2003

Pulsed Radiofrequency treatment of the gasserian ganglion in patients with idiopathic trigeminal neuralgia a retrospective study

Jan Van Zundert; Steven Brabant; Eric Van de Kelft, Alex Vercruyssen; Jean-Pierre Van Buyten

Pain 104 (2003) 449-452

De Impact van een Pijnprotocol op de pijnbeleving van postoperatieve patienten in een algemeen ziekenhuis

E Vlaminck; I. Smet; A. Dierickx; L. Vanduffel; JP Van Buyten

Hospitalia

Patient-controlled Analgesia in intrathecal Therapy for Chronic Pain: Safety and effective Operation of the Model 8831 Personal Therapy Manager with a Pre-implanted Synchromed Infusion System

J. Maeyaert; E. Buchser; JP Van Buyten; N. Rainov; R Becker

Neuromodulation, Volume 6, Number 3, 2003 133-14

The cost effectiveness of spinal cord stimulation in the treatment of pain: a systematic review of the literature

R Taylor; R.J Taylor; J.P. Van Buyten; E. Buchser; R. North; S. Bayliss

Journal of Pain and Symptom Management Vol. 27 No. 4 April 2004

Percutane techniek voor behandeling van Trigeminius Neuralgie wordt preciezer en veiliger door het gebruik van nieuwe Electromagnetische ( EM) Navigatietechnologie

Van Buyten JP., Smet I., Van de Kelft E. Neuron November 2004

Spinal Cord Stimulation for Chronic Back and Leg Pain and Failed Back Surgery Syndrome: A Systematic Review and Analysis of Prognostic Factors:

SPINE Volume 30, Number 1, pp 152-160 2005

Rod Taylor, Jean-Pierre Van Buyten, Eric Buchser

Spinal Cord Stimulation for Complex Regional Pain Syndrome: A systematic review of the Clinical and Cost effectiveness Literature and assessment of Prognostic factors

Rod S Taylor, Jean-Pierre Van Buyten and Eric Buchser

European Journal of Pain 10 (2006) 91-101

Neurostimulation for chronic neuropathic back pain in FBSS

J-P Van Buyten

JPSM: Vol. 31 No. 4S April 2006 25-29

Neural Modulation by stimulation  
José De Andres; Jean-Pierre Van Buyten  
Pain Practice, Volume 6, Issue 1, 2006 39-45

Avoiding Complications From Spinal Cord Stimulation: Practical recommendations from an international panel of experts  
K Kumar, E. Buchser, B. Linderoth, M Meglio, J-P Van Buyten  
*Neuromodulation*: Volume 10 Nr 1 2007 25-33

Van Buyten JP; Lazorthes Y; Spincemaille GH et al. Prospective outcomes study on the Restore rechargeable neurostimulation system for neuropathic pain : A multi-center study.  
*Eur J Pain*, 2006 , 10 (suppl1):S116

Spinal Cord Stimulation and Other Interventional Therapy Modalities for the treatment of Complex Regional Pain Syndrome  
Jean-Pierre Van Buyten  
*Journal of Neuropathic Pain & Symptom Palliation* 2006 Volume 2, Nr 3 69-71

Results of a Multi-Center Study to assess patient's ability to recharge an implantable rechargeable neurostimulator ( Restore)  
Jean-Pierre Van Buyten, Sylvian Fowo; geert Spincemaille et al.  
Accepted for publication in *The Clinical Journal of Pain* 2007

K. Paemeleire, J.P. Van Buyten, M. Van Buynder, D. Alicino, G. Van Maele, I. Smet, P.J. Goadsby. Phenotype of patients responsive to suboccipital neurostimulation for refractory head pain. *Eur J Neurol* 2008; 15(Suppl 3):10.  
Oral presentation at the 12th Congress of the European Federation of Neurological Societies, Madrid (Spain), August 24, 2008.

Radiofrequency or neuromodulation treatment of chronic pain, when is it useful?  
Jean-Pierre Van Buyten  
*European Journal of Pain Supplements* 2 (2008) 57-66

Electromagnetic ( EM)Navigation Technology for more precise electrode placement in the foramen ovale: a technical note.  
Jean-Pierre Van Buyten; Iris Smet; Erik Van de Kelft  
*Neuromodulation* Vol 12; number 3; 245-249 2009The

The Phenotype of patients responsive to occipital nerve stimulation for refractory head pain.  
Koen Paemeleire\*; Jean-Pierre Van Buyten\*; Machteld Van Buynder; Iris Smet; Peter Goadsby  
*Cephalgia* 2010 Vol 30, Issue 6

“The failed Back Surgery Syndrome” : Definition and therapeutic algorithms: an update.  
Jean-Pierre Van Buyten; Bengt Linderoth *European Journal of Pain* supplements 4  
( 2010 ) 273-286

Invasive Neurostimulation in Facial Pain and Headache  
J.P. Van Buyten; B. Linderoth.  
*European Journal of Pain* 2011 supplements 5 ( 2011) 409-421

Chronic Stimulation of the Gasserian Ganglion in Patients with trigeminal Neuropathy:  
a case study  
J.P. Van Buyten; C. Hens  
*Journal of Neurosurgical review* 2011; 1 (S1) 73-77

Technical update: Axial and radicular pain- recent advances in spinal pain mapping,  
epidural decompression and neurostimulation  
K. Alo; M Abramova; F. Cantu; J; De Andres; P. Lierz, P. Manchiaro; L. Rothstein, H.  
Salgado;P. Salgado; J.P. Van Buyten,; E. Richter  
*Journal of Regional Anesthesia and Pain Medicine* Vol 36 Nr 7 sup September-October  
2011

High Frequency Spinal Cord Stimulation for the Treatment of Chronic Back  
Pain Patients: Results of a Prospective Multicenter European Clinical Study  
Running title: High Frequency Spinal Cord Stimulation  
Jean-Pierre Van Buyten, MD1\*, Adnan Al-Kaisy, MD2\*, Iris Smet, MD1, Stefano  
Palmisani, MD2, Thomas Smith, MD2  
*Neuromodulation* 2013 ; 16: 59-66

A Multicenter, Prospective Trial to Assess safety and Performance of the Spinal  
Modulation Neurostimulator system in the Treatment of Chronic Pain  
Liong Liem MD, Marc Russo, Frank Huyghen, Jean-Pierre Van Buyten, Iris Smet, Paul  
Verrills, Michael Cousins. Charlse Brooker, Robert Levy, Tim Deeer, Jeffery Kramer  
*Neuromodulation* 2013

Sustained Effectiveness of 10 kHz High-Frequency Spinal Cord Stimulation for  
PatientwithChronic Predominant Back Pain: 24-Month Results of the Prospective  
Multicenter European Study  
Adnan Al-Kaisy<sup>1\*</sup>, Jean-Pierre Van Buyten<sup>2\*</sup>, Iris Smet<sup>2</sup>, Stefano Palmisani<sup>1</sup>, David  
Pang<sup>1</sup>, Thomas Smith<sup>1</sup> *Pain Medicine* 2013

Cost Effectiveness of a novel 10 KHz High- Frequency Spinal Cord Stimulation System  
in Patients with Failed Back Surgery Syndrome ( FBSS) Lieven Annemans, Jean-Pierre  
Van Buyten, Thomas Smith,& Adnan Al Kaisy *Journal of Long-Term Effects of  
Medical Implants*, 24(2-3): 173-183 ( 2014)

10-kHz High-Frequency SCS Therapy: A Clinical Summary  
Marc Russo, MD, and Jean-Pierre Van Buyten, MD  
*Pain Medecin* 2014



Stimulation of the Dorsal Root Ganglion for management of Complex Regional Pain Syndrome: a prospective case series Jean-Pierre Van Buyten MD, Iris Smet MD, Liong Liem MD, Marc Russo MD Frank Huygen MD *Pain Practice Volume 15, Issue 3...*, 2015 208-216

Lack of body positional effects on paresthesias when stimulating the dorsal root ganglion in the treatment of chronic pain  
Jeffrey Kramer; Liong Liem; Marc Russo; Fran Huygen; Iris Smet; Jean-Pierre Van Buyten  
*Neuromodulation 09/2014; 18(1)*

Chronic Low Back Pain: Restoration of Dynamic Stability  
Kristiaan Deckers, MD\*; Kris De Smedt, MD†; Jean-Pierre van Buyten, MD‡; Iris Smet, MD‡; Sam Eldabe, MD§; Ashish Gulve, MD§; Ganesan Baranidharan, MD¶; José de Andrés, MD, PhD\*\*; Chris Gilligan, MD††; Kristen Jaax, MD, PhD‡‡; Jan Pieter Heemels, MS‡‡; Peter Crosby, MS‡‡  
*Neuromodulation 2015* ( onlinelibrary.wiley.com) DOI:10.1111/ner.12275

## 1121 citations (source *Research Gate* November 2015)

Book Chapters
---------------

Praktische Richtlijnen anesthesiologische Pijnbestrijding gebaseerd op klinische diagnose: Van Zundert, Huygen, Patijn, Van Kleef  
Chapter: Hoofdstuk III Speciele Technieken: Ruggenmergstimulatie ( R. Van Dongen, JP Van Buyten, M. Van Kleef ISBN 978-90-77411-04-9 ( 2009 )

Interventional Management of Head and Facial Pain: Samer Narouze ( Springer )  
Chapter: Interventional Treatment for Trigeminal Neuralgia: Radiofrequency and Neuromodulation ( 59-64 ) (2104 )

Chirurgie De La Douleur, De la lesion à la neuromodulation : Marc Léveque  
Chapter 15: Nouvelles modalités de neurostimulation Jean-Pierre Van Buyten  
Chapter 27: Traitement des douleurs faciales par stimulation des ganglions de Gasser et Pterygopalatin Jean-Pierre Van Buyten (2015)

K.Slavin V (ed): Stimulation of the Peripheral Nervous System. The Neuromodulation Frontier. Prog Neurol Surg. Basel, Karger, 2016, vol 29, pp 76–82 (DOI: 10.1159/000434658):  
Trigeminal Ganglion Stimulation

Surgery of the Spine and Spinal Cord, A Neurosurgical Approach  
Editor Erik Van de Kelft Springer 2016 ISBN 978-3-319-27613-7  
Author of Chapter 37: Neurostimulation for the management of Failed Back Surgery Syndrome

## Ongoing Studies

-Stimulation of the posterior tibial nerve for Peripheral Neuropathic Pain

-Stimulation of the Gasserian ganglion in the treatment of refractory Trigeminal Neuropathy.

Lise Kustermans <sup>1</sup>, Jean-Pierre Van Buyten <sup>2</sup>, Iris Smet <sup>2</sup>, Wim Coucke <sup>3</sup>, Constantinus Politis ( submitted for publication April 2016)

-Different studies on High Frequency SCS

-Retrospective study on Occipital Nerve Stimulation using the ANKERSTIM® lead.

## CME ACCREDITED LECTURES

SOME OF THE MOST IMPORTANT LECTURES AT *INTERNATIONAL MEETINGS OVER THE LAST 20 Y*

### 1996

7th International Symposium: The Pain Clinic

Istanbul, Turkey, (07/10/96)

Spinal Cord Stimulation in Europe, indication and Outcomes

Yearmeeting from the Belgian Pain Society 04/05/96

Organizer of the workshop: Neuromodulation

European Society of Regional Anesthesia

ESRA Benelux Meeting

15/03/96: Workshop: Celiac Plexus bloc

16/03/96: Failed Back Surgery: Dorsal Column Stimulation

Implantable Techniques Workshop (ECMT)

Paris, France, 16-18/02/96

Spinal Cord Stimulation, Patient outcomes

Flemish Pain Society meeting 30/03/95

Endocrinological side effects due to spinal administrated opioids for chronic benign pain.

### 1997

European Pain Physician Advisory Panel  
Lausanne, Switzerland, 31/01/97  
Organization of a 'Pain Clinic'

ESRA Benelux Meeting  
Antwerp, Belgium, 07/03/97  
Live demonstration of cervical epidural injection

Belgian Pain Society Annual meeting 15/03/97  
Treatment of low back pain in 'Failed Back Surgery syndrome' with dual Spinal Cord Stimulation

Advances in interventional therapies  
Lyon, France, June 97  
'When to use pumps Vs when to use stimulation in chronic pain'  
'Developing a pain clinic'  
'SCS Outcomes and Efficacy/Cost Efficacy'  
'Tips and Techniques for device implantation'

First course of interventional pain management  
Valladolid, Spain, 16-19/09/ 97  
-SCS outcomes and efficacy: A Belgian and European experience  
-Complications of spinal analgesia

ESRA: Zone meeting  
Istanbul, Turkey, 26-29/11/ 97  
Therapy of neuropathic pain with neuromodulation techniques

## **1998**

European implantable pain therapies workshop 2-4 March 98  
Indication&patient selection for SCS  
Experiences &results with SCS

Staf meeting pain therapy Université Catholique de Louvain St Luc  
Leuven, Belgium, 18/03/1998  
'Pumping Morphine'

8th World congress of "The Pain Clinic"  
Tenerife, Spain, 6-9/05/1998  
'Treatment of Failed Back Surgery by Neuromodulation techniques'  
'Oral Vs Spinal Morphine'

First Neuromodulation Workshop  
Riyadh, Saudi Arabia, 30-31/05/1998.  
'Neuromodulation , Treatment Ladder'  
'Outcomes of Spinal Cord Stimulation and Spinal drug release systems'  
'How to start a Pain Clinic'

Pain management

Rotterdam, The Netherlands, 10-12/11/1998:

Chairman of the Master Class: FBSS and the role of Spinal Cord Stimulation.

‘Spinal Cord Stimulation and Pain treatment alternatives’

‘Clinical experience in patient selection’

International symposium on Lumbar Spinal Stenosis

Brussels, Belgium, 21-22/11/1998

The Use of Neuromodulation in the treatment of Failed Back Surgery

Studiedag lage rugpijn Brusselse Huisartsen VZW

21 November 1998

Neuromodulation in the treatment of Low Back Pain .

VIII National Congress of the Italian Society of pain clinicians

Cernobbio, Italië, 26-27-28/11/1998

‘Pain In Europe’

‘10 years of experience with Spinal cord stimulation’

## **1999**

Symposium Pijnbestrijding (Belgian Ministry of Social Affairs, Healthcare & Environment) Brussels, Belgium, 30/01/99

‘The place of Interventional Pain therapy in the treatment of Chronic Pain’

Symposium Aspects Of Neuromodulation Stichting Postuniversitair Onderwijs  
Amsterdam, 7-8/05/99

‘Choosing between Spinal Cord Stimulation and/or perispinally administered drugs: An Algorithm?’

Spinal Cord Stimulation, Drug Delivery Systems and Radiofrequency Techniques in the treatment of Chronic

Cadaver Course, Brussels, Belgium, 27-29/05/1999

Course Director

‘Indications for Neuromodulation’

‘Technique of SCS and Spinal drug delivery’

‘Outcome of SCS and Spinal Drug Delivery’

Neurostimulation: Current theories and clinical outcomes the treatment of Chronic Back and Leg Pain

IASP World congress on Pain

Vienna, Austria, 25/08/99

ECMT workshop: Neuromodulation therapies for Chronic Complex Pain Syndromes

Sintra , Portugal 11,12,13/11/1999

Results of the dual stimulation clinical trials

Long term results on intrathecal analgesics for NMP

VI th Brussels International Spine Symposium

‘The degenerative & inflammatory cervical spine’

19, 20/11/1999

Pain Management in the upper cervical spine by Spinal Cord Stimulation  
Interventional Pain Management by radiofrequency techniques

XXXIII ème Réunion Annuelle de la Société Française de la Douleur

Cours supérieurs: La Neurostimulation:

Intérêt de la stimulation médullaire bilatérale sur les lombosciatalgies chroniques 17/11/  
1999

## **2000**

Second International Update, Neuro-Anesthesia & Neuro-Critical care 2-5/02/2000‘  
Quality of life and long-term follow-up post back surgery patients’

15 jaar Pijnkliniek

Brugge, Belgium, 05/02/ 2000

The practice of Spinal Cord Stimulation

Annual meeting Belgian association of Anesthesiologists 26 februari 2000  
‘De Anesthesist en de Pijnbestrijding‘

Invitation Conference ‘back to Basics’

Amsterdam, The Netherlands, 19-20/05/2000

‘Trends in Neuromodulation’

Pain In Europe III

Nice, France, 26-29/09/00

Satellite Symposium: ‘Neuromodulation State of the Art in the y 2000 ‘

New Indications for Spinal Cord Stimulation

Brussels International Spine Symposium

17,18/11/2000

Disc Herniation in the third Millennium

Treatment of Failed Back Surgery by Neuromodulation treatments, Update

New Frontiers in Neuromodulation therapies for chronic Pain

Sintra, Portugal, 27, 28/11/2000

-Celiac Plexus Bloc for visceral pain

-Cervicogenic headache and occipital neuralgia, is subcutaneous stimulation an  
alternative for these patients?

-Complex low back pain and dual stimulation: more than three years clinical follow-up

## **2001**

Simposio Cirugia Del Raquis Lumbar

Madrid Universidad Complutense

Madrid, Spain, 25-27/01/2001

Terapia de Neuromodulacion en el fracaso de la cirugia lumbar

Advances in the treatment of degenerative low back pain  
Experimentele Anatomie Vrije Universiteit Brussel  
9/01/2001  
Spinal Cord Stimulation as a treatment for chronic low back pain

Curso Internacional de Tratamiento del Dolor en Reumatologia  
Avances Terapeuticos en el dolor lumbar cronico  
Salamanca, Spain, 19-20/10/2001  
Estimulacion Medular e infusion intratecal

## **2002**

Neuromodulation Techniques and Indications for the treatment of Chronic Pain: a workshop for advanced users with Hands on cadavers  
Brussels, Belgium, 8-9/02/2002  
Course Director  
-Neurostimulation for the treatment of cervicogenic headache  
-Stimulation for the Low Back Pain: Possible or impossible demonstration on cadavers of retrograde approach for neurostimulation

10<sup>th</sup> congress of the World Society of Pain Clinicians  
Sardinia, Italy, 4-8/05/2002  
When is Neurostimulation effective in Failed Back Surgery Syndrome? A review of the evidence and possible effect of early treatment

Neurostimulation For Chronic Pain  
Liverpool, United Kingdom, 6-7/06/2002  
Pain Relief Foundation, Clinical Science Centre The Walton Centre for Neurology and Neurosurgery NHS Liverpool UK.  
Patient assessment for Spinal Cord Stimulation  
Spinal Cord Stimulation for low back pain

V Congreso De La Sociedad Espanola Del Dolor  
Salamanca, Spain, 9-12/10/2002  
The Use of Patient Controlled Analgesia in patients with implanted drug delivery device

## **2003**

Workshop on Advanced Neuromodulation Techniques  
Hands on Cadaver Course  
Brussels 31/1-1/2 2003  
Course Directors: Dr. JP Van Buyten, Prof Jan Pieter Clarys  
Lectures; Retrograde Approach for Neurostimulation  
Stimulation for Low Back Pain Possible or Impossible within the algorithm of the treatment of Low Back Pain

Invited speaker at the 6th World Congress of the International Neuromodulation Society Madrid 25-28 June 2003  
'SCS. The Use of dual Quadripolar leads: A personal Experience'

‘Neuromodulation In Europe’

Invited Speaker at the EFIC congress PAIN IN EUROPE IV

Prague September 2-6

Topical Seminar: Algorithm for Failed Back Surgery Syndromes

‘The Anesthetists viewpoint

Chairmen of the topical seminar on Neurostimulation

‘ SCS only the tip of the iceberg in the possibilities of neurostimulation ‘

2<sup>nd</sup> International meeting on Pain Therapy INS (Italian chapter )

congress Abruzzo September 17-19 2003

SCS in FBSS and vertebral stenosis

PTM: a new device for intrathecal drug delivery in breakthrough pain

IX ESRA Local meeting Oviedo Spain 1-3 October 2003

Spine Pain: neurostimulation

Neuromodulation in the treatment of oncological pain

III Annual Scientific meeting of the International Neuromodulation Society UK & Irish

Chapter St Thomas’/ London 10<sup>th</sup>- 11<sup>th</sup> October 2003

Retrograde Spinal Nerve roots stimulation

## **2004**

Neuromodulation for the treatment of Chronic Pain

Hands-on Cadaver Workshop for the experienced User

January 30-31 2004 Experimental Anatomy Dept Vrije Universiteit Brussel

Course Director

Lectures

-SCS for FBSS and CRPS-A therapy that has come of age

-Sacral Stimulation, Cephalocaudal approach : indications and results

-Occipital and subcutaneous stimulation, indications , results

Annual meeting of the Belgian Pain Society March 6 2004 Brussels

Chairman of the Interventional therapy workshop

Lecture; Retrograde epidural stimulation for Pelvic pain

Second Symposium on Functional Neurosurgery April 1-2 2004

Hospital de la Santa Creu I Sant Pau, Barcelona Spain

Lecture : Neurostimulation in Failed Back Surgery patients.

Chronic Pain Management Workshop Riyadh Armrd Forces Hospital

Riyadh Saudi Arabia 2 May 2004

‘Spinal Cord Stimulation For Neuropathic Pain’

‘Treatment of Failed Back Syndrome with Spinal Cord Stimulation’

Annual Meeting of the Sociedad Espanola Del Dolor

Valencia Spain 13 May 2004

‘Suboccipital PNS for the treatment of Cervicogenic Headache’

International Association for the Study of Pain  
Congress on Neuropathic Pain  
Madrid 12-15 May 2004  
'Clinical Insights on SCS:  
(From Mechanisms to clinical indications and techniques in the management of neuropathic pain)  
What is the evidence behind?'

3<sup>rd</sup> World Congress World Institution of Pain ( WIP)  
September 21-25 2004 Barcelona Spain  
Organizer of Topical Seminar TS27: Indications for chronic opioids therapy  
Lecture: Ten years of experience with spinal opioids in the management of chronic non-cancer pain.

TS 23: Central Pain  
Can we control central pain with intrathecal drugs?  
SS 6: Efficient management of the neurostimulation patient.

## 2005

Symposium Neurochirurgie Sint-Niklaas 22/1/2005  
Thema: Aangezichtspijn  
The Use of EM Navigation in the treatment of Trigeminal Neuralgia

Congresso de la Sociedad Madrilená el dolor April 14 – 16 2005  
Nuevas aplicaciones de la Neuromodulation

7th Meeting of the International Neuromodulation Society Rome June 10th-13th 2005  
-The Restore system: New solutions for maximalizing Outcomes  
-Neuromodulation Practice through the eyes of management consultants: what we changed

ESRA Annual meeting Berlin 14-17 September 2005  
'Head and Neck Blocs for Chronic Pain'

VI Congreso Nacional de le Sociedad Espanola del Dolor, IV Réunion Ibero-americana del dolor Las Palmas 10-15 October 2005.  
Experiencia con el estimuladorrecargable en Europa  
Estimulacion medular en el dolor pelviano  
Neuronavegacion aplicada a las tecnicas de neuromodulacion  
Nuevas aportaciones al campo de le neuromodulacion

Congress of the Italian Pain Society Nov 30- Dec 2 2005 Abruzzo ( Montesilvano)  
The use of Electro-magnetic navigation technology in the interventional pain management techniques  
Spinal Cord Stimulation in the treatment of pain due to Spinal Stenosis  
Indications and use of rechargeable technology in Spinal Cord Stimulation

Cadaver Course Clinica Barcelona 3-4 December 2005  
Peripheral Occipital Nerve stimulation in the treatment of cervicogenic headache



The use of Electromagnetic navigation technology in the treatment of trigeminal neuralgia

ECMT course on Intrathecal Drug Delivery: Lausanne 9-10 December 2005  
Complications in the use of Intrathecal Drug Delivery systems

## 2006

ECMT Cadaver Course on Advanced Neuromodulation Procedures  
Brussels January 27-28 2006

- Rechargeable Neurostimulators-Which patients and when?
- Spinal Cord Stimulation in Spinal Stenosis: first experience and retrospective data.
- Hands on on cadaver: Placement of octopolar leads

Symposium Neurochirurgie Sint-Niklaas Feb 11 2006 : 'De Lage Rug anders bekeken'  
-Diagnostische Blocs in lage ruggijn

ECMT workshop on Effective Practice Management.  
Sint-Niklaas 3-4 March 2006

- “From grey mouse to resources generator”; a case report on practice management from
- Business plan to implementation.

Annual joint meeting of the Japanese Pain Society ( JPS ) and the Japanese Society of Pain Physicians ( JSPS ) Kobe Japan July 13-15

- Treatment of Persistent Back and Leg Pain after Back Surgery with Spinal Cord Stimulation
- Dual Spinal Cord Stimulation; indications, mechanisms, technique

-7<sup>th</sup> Physiatrie Summer School: Orton Rehabilitation Foundation Helsinki, Finland: 31 August-1 September 2006-09-04

Spinal Cord Stimulation and other interventional treatment modalities in the treatment of CRPS

- Annual Meeting of the Irish Pain Society, joint meeting with The UK and Irish Chapter of the International Neuromodulation Society October 20-21 2006 Cork Ireland
- Spinal Cord Stimulation for Spinal Stenosis
- Management of complications from Intrathecal Drug Delivery

Annual Meeting of the Sociedad Espanola Del Dolor El Ferrol October 27-28 2006  
The use of EM Navigation in Interventional Pain Management

Barcelona December 1-2 2006-12-28 Cadaver course SED;

- EM navigation technology in the management of Chronic Pain
- Neurostimulation for the management of refractory headache

## 2007

Brussels 25-26 January 2007-02-01

Cadaver course on Advanced Neuromodulation therapies

- Anatomy and functional Anatomy explaining the mechanisms of SCS for Neuropathic Back Pain

-Stimulation of the Gasserian Ganglion for Trigeminal neuropathy

Budapest March 9 Symposium on Neuromodulation organized by The Hungarian Academy of Science:

‘Spinal Cord Stimulation for Pain’

‘Intrathecal drug delivery for pain’

Second International Congress on Neuropathic Pain

Berlin, Germany, June 7-10, 2007-06-10

Clinical experience with Neurostimulation Therapy, Which Patients, When?

Clinical Perspective on interventional pain Management: What Actually Works ?

World Institute of Pain congress Budapest 25-28 September 2007

Topical Seminar: complications of Interventional techniques: ‘Complications of Spinal Cord Stimulation’

London Pain Workshop Guy’s Hospital London October 6;7 2007

Life demonstration : Cervical Facet Denervation; Radiofrequency Lesion of the Lumbar Dorsal Root Ganglion; Retrograde epidural Root stimulation for Urinary retention ; retrograde epidural neurostimulation for neuropathic pain in the foot.

4<sup>th</sup> Advanced Pain Masterclass ( 2 –daagse masterclass voor Anesthesiologen)

8-9 November 2007 Santpoort Nederland

Plenaire sessie: Neurostimulatie in de behandeling van Neuropathie Pijn

BNS ( Benelux Neuromodulation Society Annual Meeting 10 November 2007 Brussels  
Mechanisms of Neurostimulation in the treatment of Back Pain in Failed Back Surgery Patients

XIV Congresso Nazionale Società Italiana Di Cure Palliative. Perugia November 13-16 2007

Neurostimulation for the treatment of Chronic Pain

Barcelona Cadaver Course on Advanced Pain Therapy November 30 2007

-EM navigation technology in the management of Chronic Pain

-Neurostimulation for the management of refractory headache

Joint meeting Vlaamse Anesthesiologische Vereniging Voor Pijnbestrijding /

Nederlandse Vereniging Voor Anesthesie sectie Pijnbestrijding Antwerpen 1 December 2007

- Phenotyping van Patienten beantwoordend aan Occipitale Zenuwstimulatie in refractaire hoofdpijn

## 2008

Symposium Invasive Procedures in Motion January 18/19 2008

Swiss Paraplegic Centre Nottwil Switzerland

Use of Electromagnetic navigation Technology for approaching the Gasserian Ganglion

Latest Perspectives on Intrathecal Drug Delivery for the Management of Chronic Pain  
January 18-19 2008 Lausanne Switzerland  
“ITB, Complication, Implant Technique Troubleshooting”

Workshop: Advances in the Management of the Chronic Pain Patient: a Hands-on  
Cadaver Workshop for experienced users  
Occipital Nerve Stimulation: Technique & results of a retrospective study  
Brussels 25-26 January 2008

Nederlandse Vereniging Anesthesiologie Sectie Pijnbestrijding.  
Symposium over Aangezichtspijn 11 April 2008  
Gebruik van Neuronavigatie voor de approach van het Ganglion van Gasser.

12<sup>th</sup> Worldcongres IASP Glasgow 18-22 August 2008.  
Workshop on the treatment of Headache :Prof Goadsby.  
Interventional pain management for the treatment of chronic headache.

1<sup>st</sup> San Mateo International Meeting on Pain Research : “Acute and Chronic Pain: where  
we are and where we have to go” Pavia 3-4 October 2008 Italy  
“Radiofrequency or neuromodulation treatment of chronic pain: when is it useful”

Basic & Clinical science for the treatment of the chronic pain patient course IV  
Barcelona November 28<sup>th</sup> -29<sup>th</sup> 2008  
Headache treatment using neuromodulation techniques  
Spinal Cord Pharmacology for the rationale of drug infusion prescription

Intrathecal Drug delivery Neuroscience Forum  
December 12-13 2008 Divonne-les Bains  
Complications, Implant technique, and troubleshooting

## **2009**

Spinal Cord Stimulation in Failed Back Surgery Syndrome  
9<sup>th</sup> World Congress International Neuromodulation Society Seoul South Korea  
September 11-15 2009

British Pain Society, Interventional Pain Management Special Interest Group  
Manchester September 9<sup>th</sup> 2009  
“Spinal Cord Stimulation for Pelvic Pain”

15<sup>th</sup> Reunion Annual ESRA Espana  
Pamplona 21-23 October 2009  
-Complex regional Pain Syndrome and its control with neuromodulation techniques  
-Current and future applications of neuronavigation for neuromodulation procedures

1<sup>st</sup> International Comprehensive Pain Management Conference  
Tawam Hospital Al Ain ( United Arab Emirates) October 27-29 2009  
-Can we use interventional techniques in the treatment of Cancer Pain

-Algorithm in the interventional pain management techniques

3<sup>rd</sup> Anesthesia Conference of Kuwait

5<sup>th</sup> -8<sup>th</sup> of November 2009

-Role of radiofrequency in Chronic Pain

-Management of chronic headache

Workshop:

Spinal Cord Stimulation in a FBSS patient

Occipital Nerve Stimulation in chronic headache patient

2<sup>nd</sup> San Mateo International Meeting on Pain Research :

Pavia November 21-22 2009

Spinal Cord Pharmacology for the rationale of drug infusion prescription

Basic & Clinical Science for the management of the chronic pain patient COURSE V

November 27<sup>th</sup> -28<sup>th</sup> Barcelona Spain

-Headache treatment using neuromodulation techniques

- Spinal Cord Pharmacology for the rationale of drug infusion prescription

-Cadaver hands on demonstration: PNS in head and neck

## 2010

Neuroscience Forum on Intrathecal drug delivery

Divonne December 18-19<sup>th</sup> 2009

Lausanne January 16-17<sup>th</sup> 2010

Technique, complications, trouble shooting in intrathecal drug delivery

ECMT Cadaver course for advanced Neuromodulation

Brussels January 29-30<sup>th</sup> 2010 : Course Director

-Treatment of Failed Back Surgery Syndrome with Neuromodulation techniques

-Interventional techniques in the treatment of refractory headache

-demonstration on cadaver : Approach of the foramen ovale with electromagnetic neuronavigation guidance.

1<sup>st</sup> Congress of the Saudi Arabian Pain Society; Jeddah (KSA) February 23-25<sup>th</sup> 2010

-Neuromodulation in cancer pain

-Neuromodulation in pelvic pain

-Neuromodulation in refractory headache

Tweede Internationaal Congres: “De Zorg Rondom Pijnklachten”

Lievensberg Ziekenhuis Bergen op Zoom The Netherlands

-Neuromodulatie indicatiestelling en uitvoering.

Basic & clinical science for the management of the chronic pain patient course VI

November 19<sup>th</sup> 20<sup>th</sup> 2010 Barcelona Spain

Cadaver demonstration, Peripheral nerve stimulation for head and neck pain

Lectures: neuromodulation for headache and facial pain; Spinal cord pharmacology for the rationale of drug infusion prescription

-3th San Mateo International Meeting on Pain Research (SIMPAN), December 3-4, 2010, Pavia Italy:  
The Failed Back Surgery Syndrome, definition and treatment algorithm

## 2011

International Symposium: Invasive procedures in motion: 2011, January 21/22 Nottwil Switzerland:

-“Imaging Techniques in Interventional Pain Therapy”

Cadaver Workshop : “From anatomy through diagnostics to the best practice in advanced neuromodulation therapies”

-Lecture:Spinal Cord Stimulation for the Failed Back : Definition, treatment, treatment algorithm

-Demonstration:Interventional Pain Management : the use of Electromagnetic Neuronavigation technology

ECMT Workshop on neuromodulation therapies including Live Surgery  
Guy’s Hospital London UK 20 May 2011

-“Management of complications in Spinal Cord Stimulation”

10th World Congress International Neuromodulation Society London 21-26May

-Plenary session: “ Neuromodulation for Head and facial Pain”

ESRA 30<sup>th</sup> Annual Congress 2011 September 7-10 Dresden Germany

-Refresher course: Integrating mechanisms of neuromodulation with mechanisms of Pain

-Stimulation of the Trigemino-cervical complex in Headache and Facial Pain disorders

-Advanced Image guidance in interventional Pain Management

Australian chapter 6<sup>th</sup> annual scientific meeting Canberra 2<sup>è</sup>th October 2011

-High Frequency Spinal Cord Stimulation for Chronic back and Leg Pain : Results of a clinical study

-Cases to challenge the experts

Study in Multidisciplinary Pain Research ( SIMPAR) 4<sup>th</sup> annual meeting . University of Pavia 11-12 November 2011

-Neuropathic Facial Pain and Headaches : The place of Neuromodulation techniques

Basic & Clinical science for the management of the chronic pain Patient :

Neurostimulation course VII November 25<sup>th</sup>-26<sup>th</sup> Barcelona Hospital Clinic I Provençal

-Cadaver hands on demonstration PNS and Occipital Nerve stimulation

-lecture: Trigeminal and Cervicogenic pain syndromes

Neuroscience Forum 2011 Divonne December 17-18

-High frequency Neurostimulation : Is there a future?

-Neurostimulation for refractory Head & Facial Pain.

Peri-Operative Care Conference December 13-15 2011 King Faisal Specialist Hospital & Research Centre Riyadh Saudi Arabia

- The use of Neuromodulation techniques in the treatment of Failed Back Surgery Syndrome

## 2012

ECMT Cadaver course 2012 January 27-28

Imaging techniques for interventional Pain Management

Interventional Pain Management for Head & Facial Pain

Cadaver demonstration: EM navigation for the approach of the Foramen Ovale

4<sup>th</sup> Annual Meeting of the Faculty of Pain in Ireland : February 18-19 2012

Neuromodulation in the treatment of head & neck Pain

Third Biannual International Pain Congress April 12-14 2012 Middelburg The Netherlands

SCS for the treatment of Failed Back Surgery Syndrome

Troubleshooting for Electrostimulation and Intrathecal Drug Delivery

Neurostimulation for headache syndromes

International Conference on Interventional Pain Medicine & Neuromodulation Sopot, Poland May 12 2012

Neuromodulation of the Trigemino-Cervical Complex

Complications of Spinal Cord Stimulation

Sociedad Espanola Del Dolor Annual Meeting Barcelona June 8-9 2012

High Frequency Spinal Cord Stimulation in the treatment of refractory Low Back and Leg Pain.

Croatia Pain: Inaugural European-American Pain Symposium September 14-16 2012

Neuromodulation for headaches

Complex Regional Pain syndrome: an update

Irish Pain Society Annual meeting Galway October 19-20 2012

Interventional Pain Management techniques for the treatment of Oro-Facial Pain and Headaches

North American Neuromodulation Society ( NANS ) Annual congress Las Vegas USA December 6-9 2012

Neuromodulation therapies in the treatment of CRPS

High Frequency Neurostimulation for Back Pain

## 2013

From anatomy through diagnostics to best practice

in advanced neuromodulation therapies A hands-on cadaver workshop for the experienced user January 25-26 2013

## Potential future solutions for predominant back pain

First ECMT , Middle East cadaver course on Neuromodulation therapies, Februari 22-23 2013 Dubai UAE

- Neuromodulation therapies for head & facial Pain
- Spinal Cord Stimulation: technique

International Neuromodulation Society : Australia & New Zealand annual meeting: Canberra March 17-18 2013 Annual Meeting of the Australian Pain Society

- High Frequency Spinal Cord Stimulation in the treatment of FBSS patients; results of the European Study

International Neuromodulation Society: 11 th World Congress 8-13 June Berlin

- Somatosympathetic reflexes and stimulation of the Dorsal Root Ganglion in the treatment of Chronic Pain
- High Frequency Spinal Cord Stimulation for the treatment of predominant back pain patients, 24 month results
- Neuromuscular reactivation: a new therapy for patients with Chronic Non Specific Low Back Pain: results of a European Multicenter study.

WIP ( World Institute of Pain BENELUX 2013 June 13-14 Lanaken

- New applications of neuromodulation for facial pain and headache

ESRA Annual meeting of the Spanish Chapter : Santander October 2-3

High Frequency Programming of SCS: Current and Future indications.

International Neuromodulation Society Italy ; Rome October 4-5

High Frequency SCS in the treatment of axial low back pain : 24 months result

III Masterclass in HF 10 Spinal Cord Stimulation Guy's & St. Thomas' Hospital London/UK Saturday 2<sup>nd</sup> November 2013

Two Years Experience of HF 10 SCS + Live Video link from the OR: Cervical procedure.

Istanbul November 8-9: ECMT : Neuromodulation Therapies in Pain Management: A Hands-on Cadaver workshop

Lectures: Spinal Cord Stimulation Implant Technique , Cervical and Lumbar approach

Potential of Neuromodulation in the treatment of Headache and facial pain

Cadaver workshop: Failed Back Surgery Syndrome

rRetrograde approach

Swiss Pain Congress ( organized by Swiss Neuromodulation Society and Swiss Society of Interventional Pain Management Montreux November 15-16 2013:

Session 2 Headache and facial pain : Treatment by Neuromodulation.

Annual meeting of the German chapter of the International Neuromodulation Society Murnau Germany November 22 2013

Lecture: "The use of High Frequency SCS for the treatment of Low Back Pain"

Hands-on Cadaver Course on Neuromodulation therapies

Barcelona Hospital Clinic 29-30 November 2013

Lectures: - "The use of High Frequency SCS for the treatment of Low Back Pain"

- “Potential of Neuromodulation in the treatment of Headache and facial pain”

## 2014

Hands-on cadaver workshop on Advanced Neuromodulation therapies  
“from Anatomy through diagnostics to best practice in advanced neuromodulation therapies” Brussels Jan 24-25 2014

Lecture: “Potential new solutions for the treatment of predominant back pain “  
Demonstration: the use of neuronavigation technology for the approach of the foramen ovale in trigeminal procedures.

ECMT Neuroscience Forum Lausanne (Switzerland) Feb 7-8 2014

-Stimulation of the Dorsal Root Ganglion in Neuropathic Pain Syndromes

Symposium on Chronic Pain Management Tunis ( Tunisia ) March 3 2014

-Neurostimulation for Cranio-Facial Pain

- Neurostimulation for Failed Back Surgery Syndrome

Networking World Anesthesia Convention Vienna ( Austria) May 2-3 2014

-Imaging and Interventional Pain Management

-Dorsal Root Ganglion Stimulation, Mechanisms of Action

-Neurostimulation for Headache

Annual Congress of the World Institute of Pain ( WIP ) Maastricht ( The Netherlands )  
May 7-9 2014

-Dorsal Root Ganglion , Mechanisms of Action

- MRI Safety in Spinal Cord Stimulation

Forth Biannual International Pain Congress Eindhoven ( The Netherlands) October 1-4  
2014

-How to create an Infrastructure for Intrathecal Drug Delivery Service in the  
Management of Chronic Pain

-Electrostimulation for Headaches Syndromes

-Management of Complications in Peripheral Nerve Stimulation.

Annual Pain Relief Lecture : The Walton Pain Centre Liverpool ( UK ) October 16 2014

- New prospectives in Neuromodulation therapies for the management of Failed  
Back Surgery Syndrome

Special Interest Group Neuromodulation of the British Pain Society ( NSUKI ) Annual  
Meeting : Manchester ( UK) October 17 2014

-Neurostimulation for Pelvic Pain

4<sup>th</sup> Oman Congress of Anesthesia and Critical Care Muscat November 20-21

-Neurostimulation for Failed Back Surgery Syndrome

-Techniques for the placement of Spinal Cord Stimulators

Barcelona Cadaver Course November 28-29 2014



- Spinal Cord Stimulation for the treatment of Complex Regional Pain Syndrome
- for Head&Facial Pain

London Workshop on the treatment of Chronic Back & Leg Pain: Guy's and St Thomas's Hospital December 5-6 2014

- New Prospectives in Neuromodulation.

Annual Meeting of the North American Neuromodulation Society Las Vegas December 11-14 2014

- The use of Electromagnetic Neuronavigation technology in Interventional Pain Management techniques
- High Frequency Spinal Cord Stimulation: Beyond the shadow of a doubt.

## 2015

Annual Joint Meeting of the Dutch and Flemish Pain Society ( NVA/VAVP ) Utrecht ( The Netherlands January 16-17 2015

- Cost-effectiveness of Spinal Cord Stimulation , how evidence based are our guidelines
- HF 10 stimulation: actual Clinical Evidence

ECMT Cadaver course: Neuromodulation for Chronic Pain, for advanced users; Brussels January 30-31

- New Prospective s in Neuromodulation for chronic Back Pain
- Chronic Back & Leg Pain, Best Algorithm

4<sup>th</sup> Master class for High Frequency (10KHz) Spinal Cord Stimulation February 6-7 Guy's and Saint Thomas's London

- Live surgery demonstration: Cervical placement of HF10 SCS

VII SIMPAR ( Study In Multidisciplinary Pain Research )meeting Rome March 27-28 2015

Session on Interventional Pain Management

- New Modalities of Neurostimulation

INS ( International Neuromodulation Society ) 12<sup>th</sup> World Congress 6-11 June Montreal Canada

- International Perspectives and Comparisons of Prospective research: Dorsal Root Ganglion Stimulation : International research
- Clinical Use of DRG stimulation in Patient Specific Practice
- Peripheral Stimulation of the Posterior Tibial Nerve for neuropathic pain in the foot

EFIC : 9<sup>th</sup> Congress of the European Federation of IASP Chapters ( EFIC ) Vienna 2-5 September 2015:

Refresher workshop on Interventional Pain Management:  
 “ Evidence in Neuromodulation Therapies “

Neuromodulation Society UK and Northern Ireland Annual Meeting London November 6-8 2015

“Dorsal Root Ganglion: The ideal solution for treatment of Neuropathic Pain”

Advanced Course Basic & Clinical science for the management of Chronic Pain Patient- Neurostimulation

University Hospital Clinic Barcelona Spain 4-5 Dec 2015

- Head & Cervical Neuromodulation; current indications and modalities
- Failed Back Surgery Syndrome ; current neuromodulation management
- demonstrations on cadavers : Occipital Nerve Stimulation

North American Neuromodulation Society ( NANS) Annual Meeting: Las Vegas 9-12 USA December 2015

- Neurostimulation for Back Pain
- Dorsal Root Ganglion Stimulation vs Conventional ( Tonic, Burst, High Frequency) for neuropathic Leg Pain

## **2016**

ECMT Cadaver Course for advanced Neuromodulation: Brussels January 29-30  
c(Course Director)

- Chronic Back and Leg Pain Patients: Treatment Pathway in AZ Nikolaas, a case study
- Use of Electromagnetic Neuronavigation technology in the treatment of Trigeminal Neuralgia

ECMT Phase III Neuromodulation Training Program Dubai ( UAE) February 27 2016

- Introduction to Spinal Cord Stimulation
- Spinal Cord Stimulation in Failed Back Surgery Syndrome

SIMPAR Rome April 8-9 2016

- DRG stimulation for Neuropathic Leg Pain

2nd Bahrain Anesthesia and Pain Medicine Congress April 14-15 2016

- Treatment of Back and Leg Pain with Neuromodulation therapies
- Interventional techniques for the treatment of Headache and Facial Pain

Barcelona : Advanced course for Neuromodulation therapies for Pain 6-7 May 2016:

Course Director : Professor J De Andres

- “ Neuromodulation therapies in the treatment of Head&Facial Pain
- Cadaver demonstration of the implant techniques

BENELUX chapter of the International Neuromodulation Society: Annual Meeting June 17 2016:

- “Dorsal Root Ganglion Stimulation : What’s the evidence ?”

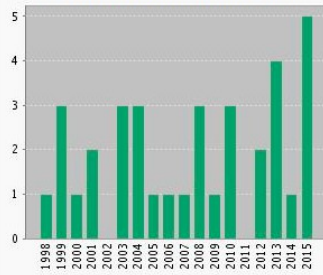
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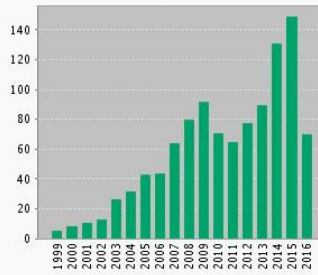
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