



bns
Benelux
Neuromodulation
Society

BNS NEWSLETTER

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PREFACE BY THE PRESIDENT

MAARTEN MOENS

Dear BNS-members,
Dear friends of Neuromodulation,

By this 2-yearly newsletter, the BNS board is reaching out to all of our members with the latest information, news and feedback about and around neuromodulation.

Is there a better timing to start this initiative right after the world congress of INS in Barcelona? Through this newsletter, you will find out in a small summary what is going on in the Neuromodulation-world and the latest news within our BNS chapter.

I am convinced that this newsletter will stimulate you!

BNS
NEWSLETTER

TABLE OF CONTENTS

Highlights INS Congress • P. 2

Voice of the nurse • P. 4

BNS Membership • P. 5

Research in the Benelux • P. 6

BNS Board 2022 • P. 7

Industrial partners • P. 8

INS 2022 BARCELONA

MAY 21-26, 2022



THE POST-COVID 19-ERA HAS BEGUN!

THE COMBINATION OF THE HOPITALITY OF BARCELONA AND THE SUN OF END MAY WAS THE RECIPE FOR A FANTASTIC FACE-TO-FACE CONGRESS, WHERE NEUROMODULATION IMPLANTERS, PHYSICIANS, NURSES, ENGINEERS, INDUSTRY REPRESENTATIVES, MANAGERS AND RESEARCHERS CAME TOGETHER AND DISCUSSED THE NEW CLINICAL DATA AND INNOVATIONS.

5 DAYS OF PLENARY LECTURES, BREAKFAST MEETINGS, SPECIAL SESSIONS, ORAL POSTER PRESENTATIONS AND BREAKOUT SESSIONS WERE THE INGREDIENTS OF AN INTENSE AND PROFOUND DISTRIBUTION OF SCIENTIFIC AND CLINICAL DATA.

IN PARALLEL, DIFFERENT INS CHAPTERS, INCLUDING THE BNS, HELD CHAPTER MEETINGS, MEMBER MEETINGS AND BOARD MEETINGS.



WHAT HAVE WE LEARNED AT INS 2022?

The need for better outcome measurements than pain intensity is greater than ever.

ECAPS, ECAPS and once again ECAPS! Measuring evoked compound actions potentials in closed loop SCS systems makes it possible to have more pain reduction in patients with PSPS Type 2.

DBS of the Entorhinal Hippocampal Circuitry might modulate the human memory.

Vagal stimulation has a therapeutic effect on several pathologies such as rheumatoid arthritis, headache disorders, COVID-19/respiratory disorders and diabetes.

High frequency spinal cord stimulation alleviates pain in painful diabetic neuropathy.

"to walk again" after spinal trauma is no longer Utopia. Amazing results were projected and visualized.

Big data and registries over the countries, continents and commercial companies gain more and more interest.

ECHO'S FROM INS

MAY 21-26, 2022

FROM THE EDITORIAL BOARD OF NEUROMODULATION: TECHNOLOGY AT THE NEURAL INTERFACE:

The impact factor of the Journal increased to 4.722 and is expected to increase within the upcoming years. The collaboration with Elsevier is pushing the Journal to a higher level. The rejection rate is now above 70%, which indicates the vision of the Journal: high quality neuromodulation-articles!

FROM THE BOARD OF INS RESEARCH & SCIENTIFIC COMMITTEE:

The board is proud to present the first 2 prize winners of the Innovative Research Grant. Additional funding is needed to step up to 4 prizes, every 2 years. A trial via crowdfunding, financial arrangements with companies and voluntary contribution of INS members will be explored.

FROM THE INS BOARD:

Twenty-three chapters, including the BNS, presented their accomplishments, future goals and initiatives. The INS board is concerned about the situation of the Ukrainian and Russian neuromodulation specialists. Transparency of the educational tools, an international registry and awareness of the public opinion about neuromodulation are the main short term goals of the INS.

BNS CHAPTER MEETING

The BNS Board invited every BNS member for the BNS chapter meeting at May, 25th 2022 in Barcelona at the INS congress.

The main focus of this chapter meeting was the pioneerwork in terms of efficacy, new indications and threats of DRG Stimulation.

Dr. Jan Willem Kallewaard from Rijnstate discussed the shift of focus and indications of reimbursement over the past last years in The Netherlands. Besides DRG stimulation for painful diabetic polyneuropathy, preliminary clinical results for DRG stimulation for aspecific back pain are promising.

Dr. Bart Billet from Roeselare showed monocentric results from DRG stimulation for CRPS at lower limbs, the solely reimbursed indication in Belgium. Besides excellent overall results on pain intensity, also an improvement in functionality and reduction of pain medication are clearly the clinical effects of this type of therapy.

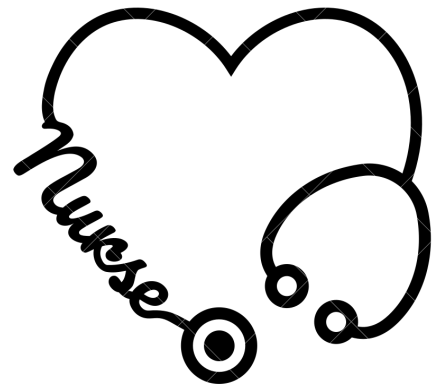
Troubleshooting and dealing with complications of this specific type of stimulation were also discussed.

Dr. Erkan Kurt and **Dr. Jesper Witkam** from Nijmegen demonstrated their results of a common complication: pocket pain. Surgical tips & tricks and inside details to overcome this problem have been shared with the BNS members.



VOICE OF THE NURSE

"My name is **Inge Arnts**, nurse practitioner and since 2011 working at the Radboudumc expertise center for pain and palliative Medicine and since 2015 also PhD. Developing or supporting in practical research which can be used directly in the care for the patients is one of my goals since my previous job. Discussing and learning from other colleague's is one of my other topics. Unfortunately, COVID disturbed the yearly meetings with all Dutch nurses working in this field. With a group of nurses, we started an online meeting since 2019 because we missed that contact. Nowadays nurses, nurse practitioners and physician assistant (at this moment from 16 hospitals) are meeting each other 4 times a year (online) where we discuss how we can improve the care and cure for our patients, discuss practical questions, how we can make our profession visible and so on. Also (nursing) research will be a more important goal in the future as we have 2 PhD candidates and one PhD already in the middle of this group. We are in a starting phase, but we are all willing to make it more professional in the future. For the ones who still want to join us, just let us know. We all can't deny that we are an important group in the care for neuromodulation patients. That's what we saw at the growing group nurses in the fantastic Nursing Session at the recent INS. So, my message to you all is: 'let's find each other and share our knowledge and thoughts with just one goal: best practice for our patients.'"



"My name is **Caro Edelbroek**, I am a nurse practitioner from the Netherlands and I work at the pain center Rijnstate Hospital. I have recently started my PhD and published my first article in *Neuromodulation; Technology at the neural interface*. This article is a consensus paper about the five reimbursed diagnoses for neuromodulation in the Netherlands. It describes the process of the consensus and gives guidance for decision making in the field of chronic pain and neuromodulation. The place of neuromodulation in the treatment arsenal of patients with chronic pain is discussed in the light of worldwide opinions and statements.

At the latest INS congress in Barcelona, I organized the nurse and allied health workers workshop. Together with 7 other nurses from Australia, Spain, Germany, France and the UK we made this workshop an interactive meeting. There were over 85 participants and we started this morning with the presentation of a case study about a chronic pain patient with SCS. After this we divided all the participants in smaller groups and asked them to discuss a certain part of the case study, for example patient education, trial phase and complication management. Due to the fact the nurses and allied health workers were discussing in smaller groups the input was enthusiastic and easier because we assisted with translating when needed. The participants from all over the world shared their experiences. We closed the session with a plenary presentation of a summary from the most important points from the discussions of the different groups."



BNS MEMBERSHIP

The BNS Board encourages all members of the large neuromodulation family to get their BNS membership. Only by standing together, shoulder to shoulder, based on good practice and scientific sound evidence, new indications, new innovations and more awareness around neuromodulation will be achieved.

The BNS stands for being a trusty partner in the regulatory framework for the authorization and for increased focus on research with joint research projects and shared registries.

New members may contact us at:
BNS.scientific@gmail.com
170 euro/year

GOOD TO KNOW

BNS MEMBERSHIP

Neuromodulation nurses, students and young researchers in neuromodulation can be a BNS member and therefore also an INS member for only 50 euro/year.

The BNS board believes that treating patients with neuromodulation is a multidisciplinary team effort and strongly encourages nurses and researchers to join the big BNS family!

Mail to: BNS.scientific@gmail.com

BNS MEMBERSHIP

WHAT IS IN FOR YOU?

Access to the journal
'Neuromodulation'

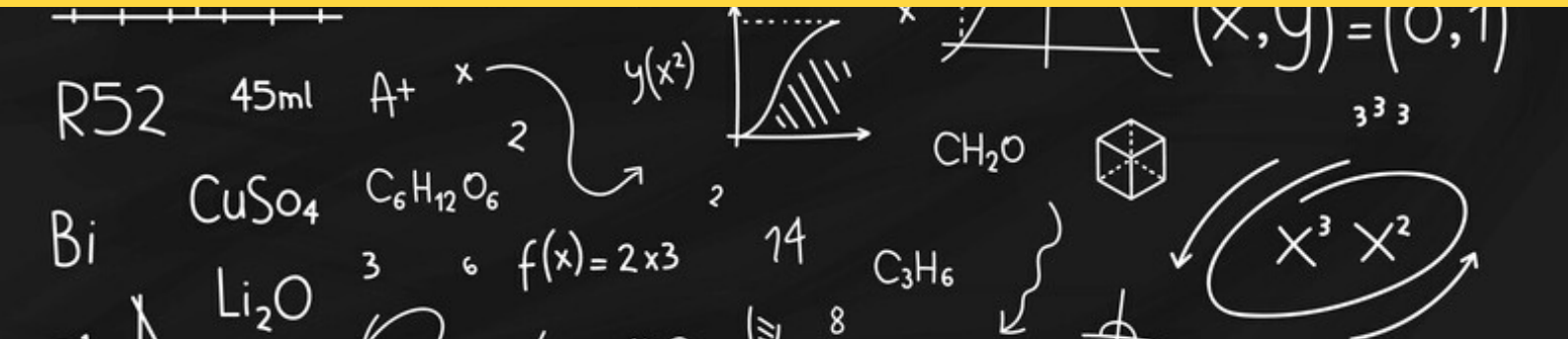
Access to webinars & journal
clubs

Mentorship program

Access to fact sheets and
educational video's

and so much more...

RESEARCH IN THE BENELUX



KNOWLEGDE IS POWER

LISA GOUDMAN

After all, the BNS is a scientific organisation whereby our goals for the upcoming years are:

- To provide a forum where healthcare providers and researchers can meet and discuss about all types of neuromodulation.
- To increase the interest in research with joint research projects and shared registries (including other INS chapters).
- To serve as a trusty partner in the regulatory framework for the authorization.

We are firmly convinced that together we can reach these goals and create an expanding and leading organisation.

As a first step in strengthening our collaborations within the Benelux, we would like to make all multicentric studies that are being coordinated within the Benelux, visible on the website of the BNS. This could inspire BNS members to take part in ongoing studies or to create a new study with members who are working on the same topic within neuromodulation. Therefore, please feel free to provide us a list of all your ongoing multicentric studies at **BNS.scientific@gmail.com**.

Additionally, we have created several social media accounts, which can be found on the next page, where we would like to promote all accepted articles of BNS members. Please do not hesitate to email us when you have an accepted article, so we can share the link towards the abstract with all members. If you have an infographic about the content of your study, we are eager to share this on our social media pages as well.

BNS BOARD 2022



NEW BNS LOGO



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BNS.SCIENTIFIC@GMAIL.COM
HTTPS://BNS.MEMBERCLICKS.NET

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President

Maarten Moens

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Neuromodulation Nurse

Simone Goslinga-Van Der Gaag

Board Members

Bart Billet

Erkan Kurt

Bertil Blok

Honorary Board Members

Monique Steegers

Harold Nijhuis

Mike de Jongste

BNS presents

OUR INDUSTRIAL PARTNERS



Marc Takken (NL):
marc.takken@abbott.com

Koen Vangerven (BE):
koenraad.vangerven@abbott.com



SALUDA MEDICAL



Sander van Geel (NL + BE):
sander.vangeel@saludamedical.com

Medtronic



Patrick Kieboom (NL):
Patrick.kieboom@medtronic.com



Ulrich Mouset (BE + Lux):
Ulrich.mouset@medtronic.com



Sanne Veeneklaas (NL + BE):
sanne.veeneklaas@nevro.com



Geert Hertecant (BE + NL + Lux):
geerth@stimwavefreedom.com



Philippe Boey (NL + BE + Lux):
Philippe.boey@bsci.com



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