



**THE INTERNATIONAL
SPINAL CORD SOCIETY
ANNUAL SCIENTIFIC MEETING
ISCoS 2020: VIRTUAL**

PROGRAMME

**1 - 5 SEPTEMBER 2020
#ISCoS2020GoesVirtual**

WORLD TIME ZONES



London	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Pretoria	8	9	10	11	12	13	14	15	16	17	18	19	20	21
New Delhi	11:30	12:30	13:30	14:30	15:30	16:30	17:30	18:30	19:30	20:30	21:30	22:30	23:30	0:30
Tokyo	15	16	17	18	19	20	21	22	23	0	1	2	3	4
Sydney	16	17	18	19	20	21	22	23	0	1	2	3	4	5
Vancouver	23	0	1	2	3	4	5	6	7	8	9	10	11	12
Buenos Aires	3	4	5	6	7	8	9	10	11	12	13	14	15	16
New York	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Programme timing is based on British Summer Time.

Posters will be available in the virtual poster hall and are accessible for 24 hours each day starting from 1st September until 23:59hrs BST Monday, 5th October.

All sessions will be available on demand following the day of broadcast until 23:59hrs BST Monday, 5th October.

CONTENT

WELCOME FROM THE PRESIDENT	4
OUR VIRTUAL MEETING	5
KEYNOTE SPEAKERS	6
POSTERS	8
SPONSORS, EXHIBITORS & PARTNERS	11
AGENDA - TUESDAY 1 SEPTEMBER	12
AGENDA - WEDNESDAY 2 SEPTEMBER	14
AGENDA - THURSDAY 3 SEPTEMBER	16
AGENDA - FRIDAY 4 SEPTEMBER	18
AGENDA - SATURDAY 5 SEPTEMBER	20
ORAL PRESENTATION LISTINGS	22
MEET THE EXPERTS	24
EXHIBITION HALL	25
ISCoS SCAVENGER HUNT	26
ISCoS LEADERBOARD GAME	27
MAKING ISCoS HISTORY	28
THE FUTURE OF ISCoS MEETINGS	29

Making life easier_

Experience Coloplast at ISCoS 2020

Join the Coloplast Symposium

Title: Presentation on the UTI Risk Factors Model
 When: Wednesday, 2 September
 Time: 1:00-1:45 PM (BST)

Speakers: Michael Kennelly, Prof, MD, USA and Andrei Krassioukov, Prof, MD, Canada

Visit the Coloplast booth

To learn more about the SpeediCath® range and Peristeen®.

WELCOME FROM THE PRESIDENT

We are all about to create history for ISCoS with the first ever Virtual Annual Scientific Meeting. A few years ago, we could not have believed this. However, the COVID-19 pandemic has forced us to re-imagine an in-person conference at Yokohama to produce a fully virtual conference.

With the continuous strategic review and planning, the ISCoS Annual Scientific meeting has been progressively setting higher standards and is gradually becoming the hub for scientific deliberations for all disciplines concerned with SCI management. Although the circumstances surrounding this conference have been unusual, it will have all the regular features of our Annual Scientific meeting. You will be able to enjoy and learn from our Keynote addresses, presentations, free papers, posters, instructional courses, workshops and Special Interest Group meetings. A lot of thought has gone into the organization of this conference and the delegate experience; therefore, the conference will run over five days rather than the usual four to reduce the daily hours which will in turn reduce screen time. The programme has been designed to provide the most convenient schedule for maximum participants. Pre-recorded presentations will be available post-conference, so delegates can catch up at their leisure. There will also be an opportunity to socialize and network through live chat rooms, face to face video calls and group Zoom lounges as we stay connected.

As they say, there is an opportunity in every adversity. We are creating opportunities through this Virtual Conference by helping save expenses on travel, accommodation and registration charges. The need of the hour is judicious use of available resources. Thus, there is an opportunity to divert the savings towards measures to contain the impact of the pandemic.

We welcome all of you to share your knowledge and experience in management of persons with spinal cord injury, especially with the ever-changing circumstances. We hope you will like this new experience from the safety of your home or workplace. We will look forward to your feedback.

Let's be versatile during the challenge posed by COVID-19 pandemic and rise together to tap this opportunity for a Virtual Conference

Let's accelerate the movement to serve our constituency which is especially vulnerable.

Let's take all precautions to stay safe and healthy.

With regards



Harvinder Singh Chhabra, MBBS, MS (ORTHO)
President – ISCoS



OUR VIRTUAL MEETING

Getting started with ISCoS 2020:VIRTUAL

Type or copy the URL: <https://iscos2020.vfairs.com/en/> in the address bar of your browser to visit the virtual platform. We recommend that you use either Chrome, Safari or Firefox for best performance.

Login

Click on the Login button on the Homepage. It will open a popup asking for your Email ID. Please use the email address you provided when you registered. You will then be asked to enter your Password which was sent to you separately. You will need this to complete the login process each time you access the virtual platform.

After you have provided the information, you can click on "Login" to login to the meeting.

Once in the Virtual Lobby you can go to the Virtual Environment:

- Exhibit Hall
- Auditorium
- Poster Hall
- Lounge
- Info Desk

You can also click on any of the display screens on the balcony to go straight to the exhibitor booth.

Technical Support

In case you have any technical queries, you can click on "Info" desk in the Lobby and it will take you to the Technical Support Chatroom. In case you have any questions, write an email to iscos2020@getvfairs.io and the team will be happy to assist you.



KEYNOTE SPEAKERS

FUMIHIRO TAJIMA

The Guttman Lecture

Fumihiko Tajima, MD and PhD is Director and Professor, Department of Rehabilitation Medicine, Wakayama Medical University, School of Medicine (2003 - present). Fumi has been studying exercise and environmental physiology in persons with SCI and taken care of SCI as a medical doctor of Rehabilitation Medicine for 35 years. He is Vice President of Japanese Association of Rehabilitation Medicine (JARM, 2014 - present), and Vice Chair of Medical division of Japanese Paralympic Committee (2005 - present). He was awarded by the Ministry of Education, Culture, Sports, Science and Technology in 2017, because of his scientific contribution in athletes with impairments. He has published more than 300 papers and 30 books in English and Japanese. This year, he has been awarded the title of Honorary Clinical Professor in Rehabilitation Medicine in the School of Sport, Exercise and Health Sciences, at Loughborough University. Recently, he has been elected as Chairperson of the 58th Annual Meeting of JARM in 2021. In educational contribution, he has annually taught 100 medical students, and so far he has promoted more than 35 specialist physicians, 38 Masters of Science, and 20 Doctors of Philosophy. He loves Fly fishing, Go and Golf.



MASAYA NAKAMURA

ISCoS Lecture

Masaya Nakamura, MD and PhD is Professor and Chair, Department of Orthopedic Surgery (2015 – present) and Vice Dean, Keio University School of Medicine (2017 – present). He received his PhD from Keio University in 1995. He specializes in spine and spinal cord surgery as well as stem cell biology, especially regenerative medicine for spinal cord injury for 30 years. He completed Phase I/II clinical trial of hepatocyte growth factor for acute spinal cord injury last year. Now, he is focusing on clinical trials of cell therapy for sub-acute and chronic spinal cord injury using iPS cells. He has published more than 600 papers in English. He received the First award of the Japanese Society for Regenerative Medicine and 51th Baelz prize in 2014. He is Member of Scientific Committee of International Spinal Cord Society, Board member and chair of Committee of Regenerative medicine for spinal cord injury of Japanese Medical Society of Spinal Cord Lesion, Board member of Japanese Society for Regenerative Medicine.



DAVID BERLOWITZ

Anthony DiMarco Lecture

David Berlowitz is a Physiotherapist with the Victorian Respiratory Support Service who holds the University of Melbourne Chair in Physiotherapy at Austin Health. David was awarded his PhD in 2004 in which he discovered that acute cervical spinal cord injury results in sudden and severe obstructive sleep apnoea. David leads an international team of research collaborators, students and staff who examine the causes and treatments of sleep and breathing disorders in neuromuscular disease, especially Spinal Cord Injury and Motor Neurone Disease. David's research encompasses respiratory physiology, sleep, health systems research, and clinical trials of therapies and care models.



JAMES GUEST

ISRT Lecture

Dr. James Guest MD, Ph.D. is a Professor of Neurological Surgery at the Miami Project to Cure Paralysis in Miami, Florida. He obtained his MD degree from the University of Alberta in 1988 and completed neurosurgical residency training in Vancouver in 1998. He was certified by the Royal College of Surgeons of Canada and the American Board of Neurological Surgeons. During residency, he obtained a Ph.D. in Neuroscience at the University of Miami studying cell transplantation after spinal cord injury (SCI). In Vancouver, during the last years of residency, he collaborated with the nascent ICORD. He then moved to the Barrow Neurological Institute in Phoenix, Arizona for fellowship training in spinal surgery and research training in the primate motor system. He then returned to the University of Miami. Dr. Guest has a strong interest in translational research and clinical trials in SCI. He has received funding from Spinal Research, the DOD, the NIH, and the Craig Nielsen foundation. Together with colleagues, he translated autologous Schwann cell transplantation for SCI into human subjects through two sequential clinical trials. For these trials, his team also conducted neurophysiological studies. He is the PI in Miami for the North American Clinical Trials Network Registry and the RISCIS study. He is an AO Spine knowledge forum member and served on the California Institute for Regenerative Medicine grants working group for the past 4 years. He has conducted studies in large animal models including cell transplantation, the use of biomaterials and pioneered delivery methods that have been patented. Current work is in neuromodulation using deep brain stimulation of the mesencephalic locomotor region tested in combination with epidural stimulation after SCI. The other main lab focus is the study of multi-organ blood flow after SCI. He is collaborating with researchers from the Bronx VA, Kessler Rehabilitation, and the University of Louisville to assess alterations in blood flow underlying normalization of blood pressure in high-level cervical injury subjects during epidural stimulation.



MICHAEL KILGARD

Wings For Life Lecture

Dr. Kilgard trained in biochemistry and genetics at UC Berkeley and in neuroscience at UC San Francisco. He is the Margaret Fonde Jonsson Professor and directs the Texas Biomedical Device Center. Dr. Kilgard has published more than 120 paper in peer reviewed journals, including Nature, Science, Neuron, and Stroke. Dr. Kilgard holds 25 U.S. patents. His work is supported by DARPA, NINDS, NIDCD, the W.W. Caruth, Jr. Foundation Fund at Communities Foundation of Texas, and Wings for Life Spinal Cord Research Foundation. His research is focused on understanding the mechanisms that regulate neural plasticity in order to develop clinical tools to treat neurological and psychiatric conditions using precisely targeted synaptic plasticity. Dr. Kilgard's laboratory uses behavioral training, environmental enrichment, drug therapy, deep brain stimulation and peripheral nerve stimulation methods to enhance neural plasticity. Over the last decade, his lab has developed treatments for spinal cord injury, tinnitus, PTSD, and stroke that employ brief bursts of vagus nerve stimulation paired with sensory stimulation or movement to direct therapeutic plasticity. These treatments are highly effective in animal models and are now being tested in randomized clinical trials.



POSTERS

Poster access

Once in the Poster Hall click on any of the poster boards to enter the poster listings. A list of posters will appear.

Posters are listed by themes and by poster number order and are accessible 24hrs throughout the meeting. Click on the theme in the blue bar to view posters belonging in that category.

Abstracts are listed within the Meeting APP.

Click on 'Join' to view the poster. Using the top bar you can: zoom in and out on the poster, view in full screen, print & download.

You will be able to submit questions via the Q&A widget and all other participants' questions will be visible to you in the chat window. The poster presenter will be able to respond to questions by text chat.



Awards Posters

Exceptional posters awarded with the Hans Frankel Awards.

Student Trainee Award

Gabriel Dix

P102 The effects of a high-fat/high-carbohydrate meal on leukocyte populations in adults with chronic spinal cord injury

Rachel Kim

P216 Spinal cord injury-movement index (SCI-MI) fine motor item pool: Development and preliminary validation

Yuki Suzuki

P034 Development of high-throughput assay to screen potential drugs to protect blood-spinal cord barrier identifies berberine as neuroprotection drug for spinal cord injury

Post Doctoral Fellow Award

Mohit Arora

P242 Health maintenance tool for people with spinal cord injury: A tool for consumers from consumers

Femke Hoekstra

P185 A 5-step knowledge translation approach to disseminate the international scientific spinal cord injury exercise guidelines to community and clinical settings

Sophie Jörgensen

P136 Health-related quality of life among older adults aging with long-term spinal cord injury

Early Career Scholar Award

Satoshi Maki

P205 A deep convolutional neural network with performance comparable to radiologists for differentiating between spinal schwannoma and meningioma-

Florian Möller

P155 Life satisfaction with SCI extrinsic and intrinsic covariates

Sintip Pattanakuhar

P221 The influencing factors of sleep problems in people with spinal cord injury: analysis of the data from the international spinal cord injury (InSCI) community survey in Thailand



**Thursday, September 3rd, 2020
3:00 PM – 4:30 PM**

Award Posters..... Auditorium – Track 2

9 Award Poster Presentations

- Health Maintenance Tool for people with spinal cord injury – A tool for consumers from consumers
- Development of High-throughput Assay to Screen Potential Drugs to Protect Blood-Brain Spinal Cord Barrier Identifies Berberine as Neuroprotection Drug for Spinal Cord Injury
- A deep convolutional neural network with performance comparable to radiologists for differentiating between spinal schwannoma and meningioma
- The influencing factors of sleep problems in people with spinal cord injury: Analysis of the data from the International Spinal Cord Injury (InSCI) Community Survey in Thailand
- Life satisfaction with SCI – Extrinsic and intrinsic covariates
- Health-related quality of life among older adults with long-term spinal cord Injury
- A 5-step knowledge translation approach to disseminate the international scientific spinal cord injury exercise guidelines to community and clinical settings
- Spinal Cord Injury-Movement Index (SCI-MI) Fine Motor Scale: Development and Preliminary Validation
- The effects of a high-fat/high-carbohydrate meal on leukocyte populations in adults with chronic Spinal Cord Injury

Talking posters

Exceptional posters invited for short oral presentations

Friday, September 4th, 2020

11:00 AM – 12:30 PM

Talking Poster Presentations.....Auditorium – Track 3

Various Topics

- P132 - Can frailty index predict functional outcomes following traumatic spinal cord injury? – *Konomi*
- P031 - Rehabilitation outcomes in the elderly patients with incomplete cervical spinal cord injury – *Matsuoka*
- P256 - Adhesive elastic taping as “add-on” treatment for medium/severe grade pressure ulcers in patients with spinal cord injury: a pilot study – *Capirossi*
- P077 - Our experience of Mirabegron in Neurogenic Lower Urinary Tract Dysfunction (NLUTD) following SCI – *Knight*
- P295 - Effects of Lower Thoracic Spinal Cord Stimulation on Bowel Management in Tetraplegics – *Kowalski*
- P148 - Treatment of neuropathic pain after traumatic spinal cord injury: A multicenter cross sectional survey – *Bryce*
- P149 - Treatment of non-neuropathic pain after traumatic spinal cord injury: A multicenter cross sectional survey – *Bryce*
- P337 - Sex and Race Influences on Pain after Spinal Cord Injury – *Chen*

Saturday, September 5th, 2020

11:00 AM – 12:30 PM

Talking Poster Presentations.....Auditorium – Track 2

Various Topics

- P044 - Development and usability study of the Wheelchair Exercise and Lifestyle Study (WHEELS) app
- P157 - A Matter of Life or Death? Factors Impacting on Survival of Adult Spinal Cord Injured Patients Discharged Requiring Long-Term Ventilatory Support from a UK Spinal Injury Centre
- P036 - Non-pharmacological treatments and effectiveness on SCI-related pain, a cross-sectional survey study in persons with a Spinal Cord Injury, living in the Netherlands
- P190 - Relationships among impairment, capabilities, self-care and fine motor activities with and without equipment in persons with cervical spinal cord injury at discharge from rehabilitation
- P097 - Updates to the National Institute of Neurological Disorders and Stroke (NINDS) Spinal Cord Injury (SCI) Common Data Element Recommendations
- P009 - Clinical feasibility of muscle evoked potential after electrical stimulation to the spinal cord during spine and spinal cord surgery, rationale and clinical relevance
- P169 - Verification of reliability and validity of the Graded Redefined Assessment of Strength, Sensation and Prehension (GRASSP) in Japan
- P338 - Factors related to Decision Making About Surgery after Neurogenic Bowel and Bladder (NBB) Following Spinal Cord Injury (SCI)

ACKNOWLEDGEMENTS

The Organising Committee of the Meeting would like to express their gratitude and acknowledgement to the following companies for their generous support in ISCoS 2020: VIRTUAL.

SPONSORS



EXHIBITORS



PARTNERS



Official Journals of
the International
Spinal Cord Society



AGENDA - TUESDAY 1 SEPTEMBER

	TRACK 1	TRACK 2	TRACK 3
10:30 AM			
11:00 PM	11:00 AM - 12:30 PM Workshop: Defining and Grading of a Spinal Unit which holds relevance for both developed and emerging countries: can we replicate the trauma unit model?	11:00 AM - 12:30 PM Special Interest Group Meeting: SCIPT	10:30 AM - 12:30PM Special Interest Group Meeting: Nurses
11:30 PM			
12:00 PM			
12:30 PM			
1:00 PM	1:00 PM - 2:30 PM Instructional Course: Overcoming Adversity after Spinal Cord Injury: A Positive Psychology Perspective.		
1:30 PM			
2:00 PM			
2:30 PM			
3:00 PM	3:00 PM - 4:30 PM Workshop: Spinal Unit to Spinal Services: Challenges in providing comprehensive management of persons with spinal cord injury	1:00PM - 7:10 PM The Network of Networks Day: For AFSCIN, ASCoN, MENASCI & SLAP Members	
3:30 PM			
4:00 PM			
4:30 PM			
5:00 PM			
5:30 PM			
6:00 PM			
6:30 PM			
7:00 PM			

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Highlights

Tuesday 1st September
10:30 AM - 12:30 PM
Special Interest
Group Meeting



Nurses

Tuesday 1st September
11:00 AM - 12:30 PM
Special Interest
Group Meeting



SCIPT

Tuesday 1st September
1:00 PM - 7:10 PM
The Network of Networks Day



**For AFSCIN, ASCoN,
MENASCI & SLAP Members**

Tuesday 1st September
3:00 PM - 4:30 PM
Workshop



Dr Harvinder Singh Chhabra
Indian Spinal Injury Centre

Spinal Unit to Spinal Services: Challenges in providing comprehensive management of persons with spinal injury

Tuesday 1st September
11:00 AM - 12:30 PM
Workshop



Dr Harvinder Singh Chhabra
Indian Spinal Injury Centre

Defining and Grading of a Spinal Unit which holds relevance for both developed and emerging countries: can we replicate the trauma unit model?

Tuesday 1st September
1:00 PM - 2:30 PM
Instructional Course



Prof Stanley Ducharme
Boston University Medical Center

Overcoming Adversity after Spinal Cord Injury: A Positive Psychology Perspective

AGENDA - WEDNESDAY 2 SEPTEMBER

	TRACK 1	TRACK 2	TRACK 3
9:30 AM		9:30 AM - 9:45 AM Welcome Ceremony	
10:00 AM	10:00 AM - 10:55 AM Plenary #1 - The Guttman Lecture: Dr Fumihiko Tajima		
10:30 AM			
11:00 AM	11:00 AM - 12:30 PM Oral Presentations: Function and Mobility	11:00 AM - 12:30 PM Workshop: No lab? No problem! Local solutions to providing evidence-based management of sleep disordered breathing in spinal cord injury.	11:00 AM - 12:30 PM Workshop: The dilemma of inappropriate surgeries for spine trauma: revision surgery or accepting poor stabilization.
11:30 AM			
12:00 PM			
12:30 PM	12:30 PM - 2:00 PM Day 2 Break - Exhibition/Networking/Meet the Experts		
1:00 PM		1:00 PM - 1:45PM Sponsor Symposium: Presentation on the UTI Risk Factors Model	
1:30 PM			
2:00 PM	2:00 PM - 2:55PM Plenary #2 - ISRT lecture: Prof James Guest		
2:30 PM			
3:00 PM	3:00 PM - 4:30 PM Oral Presentations: Fitness and Physical Activity	3:00 PM - 4:30 PM Instructional Course: Spinal cord injury neurogenic bowel and bladder measures, advances and new recommendations.	3:00 PM - 4:30 PM Workshop: Climate change and spinal cord injury: an imperative to act now.
3:30 PM			
4:00 PM			

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Highlights

Wednesday 2nd September
10.00 AM - 10:55 AM
Plenary #1



Dr Fumihiko Tajima
The Guttman Lecture:
Dr. Yutaka Nakamura and Prof. Hajime Ogata promoted to study sports science and medicine of persons with spinal cord injury in Japan.

Wednesday 2nd September
11:00 AM - 12:30 PM
Workshop



Dr Marnie Graco
Alfred Health

No lab? No problem! Local solutions to providing evidence-based management of sleep disordered breathing in spinal cord injury.

Wednesday 2nd September
2:00 PM - 2:55 PM
Plenary #2



Prof James Guest
ISRT Lecture:
The use of neurophysiological techniques in early phase neurotherapeutics clinical

Wednesday 2nd September
3:00 PM - 4:30 PM
Instructional Course



Dr Tracey Wheeler
Craig H. Neilsen Foundation

Spinal Cord Injury Neurogenic Bowel and Bladder measures, advances and new recommendations.

Wednesday 2nd September
11:00 AM - 12:30 PM
Oral Presentations



Function and Mobility

Wednesday 2nd September
11:00 AM - 12:30 PM
Workshop



Dr Harvinder Singh Chhabra
Indian Spinal Injury Centre

The dilemma of inappropriate surgeries for spine trauma: revision surgery or accepting poor stabilization

Wednesday 2nd September
3:00 PM - 4:30 PM
Oral Presentations



Fitness and Physical Activity

Wednesday 2nd September
3:00 PM - 4:30 PM
Workshop



Dr Marca Alexander
Telerehabilitation International

Climate Change and Spinal Cord Injury: An imperative to act now

AGENDA - THURSDAY 3 SEPTEMBER

	TRACK 1	TRACK 2	TRACK 3
10:00 AM	10:00 AM - 10:55 AM Plenary #3 - ISCoS Lecture: Dr Masaya Nakamura		
10:30 AM			
11:00 PM	11:00 AM - 12:30 PM Oral Presentations: Secondary Health Conditions I	11:00 AM - 12:30 PM Instructional Course: Results of the International Spinal Cord Injury Survey: a unique worldwide collaboration of 22 countries to describe the experience of living with SCI	11:00 AM - 12:30 PM Workshop: The Monitoring Efficacy of Neurogenic Bowel Treatment On Response (MENTOR) tool: Experiences as a non-hospital survey tool, validity in a Japanese rehab setting and preliminary results of its use in MS.
11:30 PM			
12:00 PM			
12:30 PM	12:30 PM - 2:00 PM Day 3 Break - Exhibition/Networking/Meet the Experts		
1:00 PM			
1:30 PM			
2:00 PM	2:00 PM - 2:55PM Plenary #4 - Wings for Life Lecture: Dr Michael Kilgard		
2:30 PM			
3:00 PM	3:00 PM - 4:30 PM Oral Presentations: Secondary Health Conditions II	3:00 PM - 4:30 PM Award Posters Presentations	3:00 PM - 4:30 PM Workshop: Visceral fat, anthropometric cut-off for central obesity, and the role of trunk muscles, and treatment of obesity in adults with spinal cord injury.
3:30 PM			
4:00 PM			
4:30 PM			

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Highlights

Thursday 3rd September
10:00 AM - 10:55 AM
Plenary #3



Masaya Nakamura
ISCoS Lecture:

Regenerative medicine for spinal cord injury using iPS cells

Thursday 3rd September
11:00 AM - 12:30 PM
Instructional Course



Prof Marcel Post
De Hoogstraat Rehabilitation

Results of the International Spinal Cord Injury Survey: a unique worldwide collaboration of 22 countries to describe the experience of living with SCI

Thursday 3rd September
2:00 PM - 2:55 PM
Plenary #4



Michael Kilgard
Wings For Life Lecture:

Directing Synaptic Plasticity to Treat Chronic Spinal Cord Injury

Thursday 3rd September
11:00 AM - 12:30 PM
Oral Presentations



Secondary Health Conditions I

Thursday 3rd September
11:00 AM - 12:30 PM
Workshop



Dr Klaus Krogh
Aarhus University Hospital

The Monitoring Efficacy of Neurogenic Bowel Treatment On Response (MENTOR) tool: Cross-cultural experiences and validity

Thursday 3rd September
3:00 PM - 4:30 PM
Oral Presentations



Secondary Health Conditions II

Thursday 3rd September
3:00 PM - 4:30 PM
Workshop



Dr Ashraf Gorgey
Hunter Holmes McGuire VA Medical Center

Visceral Fat, Anthropometric cut-off for Central Obesity, and the Role of Trunk Muscles, and Treatment of Obesity in Adults with Spinal Cord Injury

AGENDA - FRIDAY 4 SEPTEMBER

	TRACK 1	TRACK 2	TRACK 3
11:00 PM	11:00 AM - 12:30 PM Workshop: How to use the Cochrane evidence in the field of spinal cord injury: The Cochrane Rehabilitation strategy.	11:00 AM - 12:30 PM Oral Presentations: Peer Mentoring and Respiratory Issues	11:00 AM - 12:30 PM Talking Poster 1
11:30 PM			
12:00 PM			
12:30 PM	12:30 PM - 2:00 PM Day 4 Break - Exhibition/Networking/AGM (for ISCoS Members Only)		
1:00 PM			
1:30 PM			
2:00 PM	2:00 PM - 3:30 PM Workshop: SCI specific webportal to achieve favourable community health outcomes: what should be included?	2:00 PM - 3:30 PM Oral Presentations: Miscellaneous Topics	2:00 PM - 3:30 PM Instructional Course: Promising treatment options for pain among people with spinal cord injury: a complementary and integrative medicine perspective.
2:30 PM			
3:00 PM			
3:30 PM	3:45 PM - 4:45 PM ISCoS 2020: Virtual charity get together & dancercise		
4:00 PM			
4:30 PM			

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Highlights

Friday 4th September
11:00 AM - 12:30 PM
Workshop



Dr Carlotte Kiekens
Montecatone Rehabilitation Institute

How to use the Cochrane Evidence in the field of Spinal Cord Injury: The Cochrane Rehabilitation strategy

Friday 4th September
11:00 AM - 12:30 PM
Oral Presentations



Peer Mentoring and Respiratory Issues

Friday 4th September
2:00 PM - 3:30 PM
Oral Presentations



Miscellaneous Topics

Friday 4th September
2:00 PM - 3:30 PM
Workshop



Miss Nishu Tyagi
Indian Spinal Injury Centre

SCI specific webportal to achieve favourable community-health outcomes: what should be included?

Friday 4th September
2:00 PM - 3:30 PM
Instructional Course



Dr Janneke Stolwijk-swuste
De Hoogstraat Revalidatie

Promising treatment options for pain among people with spinal cord injury: a complementary and integrative medicine perspective

AGENDA - SATURDAY 5 SEPTEMBER

	TRACK 1	TRACK 2	TRACK 3
8:30 AM			
9:00 AM			
9:30 AM			
10:00 AM			
10:30 AM	10:00 AM - 10:55 AM Plenary #5 - Anthony DiMarco Lecture: Prof David Berlowitz	8:30 AM - 10:00 AM Instructional Course: Getting your work published in Spinal Cord: tips from the Editor.	
11:00 AM			
11:30 AM	11:00 AM - 12:30 PM Oral Presentations: Basic Science and Surgery	11:00 AM - 12:30 PM Talking Poster 2	
12:00 PM			
12:30 PM	12:30 PM - 2:00 PM Day 5 Break - Exhibition/Networking/Meet the Experts		
1:00 PM			
1:30 PM			
2:00 PM			
2:30 PM	2:00 PM - 3:30 PM Workshop: Perspectives on patient- partnered research.	2:00 PM - 3:30 PM Instructional Course: UTI in neurogenic bladder after SCI.	2:00 PM - 3:30 PM World SCI Day: Covid-19 and SCI – Staying Well
3:00 PM			
3:30 PM			3:30 PM - 4:00 PM Closing Ceremony

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Highlights

Saturday 5th September
8.30 AM - 10:00 AM
Instructional Course



Prof Lisa Harvey
University Of Sydney

**Getting your work
published in Spinal Cord:
Tips from the Editor**

Saturday 5th September
10:00 AM - 10:55 AM
Plenary #3



Prof David Berlowitz
Anthony DiMarco Lecture:

**Sleep disordered breathing after spinal
cord injury**

Saturday 5th September
11:00 AM - 12:30 PM
Oral Presentations



Basic Science and Surgery

Saturday 5th September
11:00 AM - 12:30 PM
Talking Poster



**Development and usability
study of the Wheelchair
ExercisE and Lifestyle Study
(WHEELS) app**

Saturday 5th September
2:00 PM - 3:30 PM
Workshop



Mr Rob Wudlick
University Of Minnesota

**Perspectives on
patient-partnered research**

Saturday 5th September
2:00 PM - 3:30 PM
Instructional Course



Prof Jean Jacques Wyndaele
University Antwerp Belgium

**UTI in neurogenic bladder
after SCI**

Saturday 5th September
2:00 PM - 3:30 PM
World SCI Day



**Covid-19 and SCI -
Staying Well**

ORAL PRESENTATION LISTINGS

Programme timing is based on British Summer Time.

Wednesday, September 2nd, 2020

11:00 AM – 12:30 PM

Oral Presentations Auditorium – Track 1

Function and Mobility

- Effect of functional independence on activities and participation in people with spinal cord injury across 22 countries - sub-study of the InSCI study
- Haemodynamic instability is a strong predictor of neurological function in acute spinal cord injury (SCI)
- A novel gait training using heterotopic HAL method for complete quadri-paraplegia due to spinal cord injury
- Clinical assessment of personal mobility Qolo for voluntary sit-to-stand and stand-to-sit posture transitions and standing mobility of people with spinal cord injury
- Neurological recovery after traumatic spinal cord injury: what is meaningful?

3:00 PM – 4:30 PM

Oral Presentations Auditorium – Track 1

Fitness and Physical Activity

- Energy expenditure in persons undergoing acute spinal cord injury rehabilitation: a prospective cohort feasibility study
- Training load, cardiorespiratory fitness and shoulder pain in wheelchair users training for the HandibikeBattle
- Self balancing exoskeleton in persons with motor complete paraplegia: a prospective pilot study
- A theory-informed approach to understand factors associated with physical activity among people with SCI who ambulate

Thursday, September 3rd, 2020

11:00 AM – 12:30 PM

Oral Presentations Auditorium – Track 1

Secondary Health Conditions (I)

- Sweating and cutaneous vasodilation responses above the lesion during passive heat stress in persons with thoracic spinal cord injuries
- Validation of a bowel routine-based self-report questionnaire for sacral sparing after spinal cord injury: accuracy for estimating AIS grades
- Pressure ulcer to zero among SCI patients a randomized trial after implementing SSKIN bundle by multidisciplinary team
- Life of non-SCI female partner from a sexual and psychological perspective in the Indian context
- Comparing different methods to evaluate lower urinary tract sensation after SCI
- Evidence-based clinical practice guidelines for follow-up care after spinal cord injury

3:00 PM – 4:30 PM

Oral Presentations Auditorium – Track 1

Secondary Health Conditions (II)

- Correlation between pre-injury comorbidities, post-injury complications in SCI patients and the realization of the rehabilitation potential during acute phase hospitalizations calculated using the SCI-ARMI algorithm
- Changes over six years in secondary health conditions, physical independence and life satisfaction among older adults with long-term spinal cord injury
- Remodelling of the intestinal and bladder epithelial barrier after spinal cord injury and its impact on function in a mouse model
- Efficacy of anterograde irritation via endoscopic percutaneous caecostomy and link with paracellular intestinal permeability in patients with spinal cord injury
- Comparing recto-anal inhibitory reflex parameters in spinal cord injured subjects compared to healthy controls
- Evaluation of a self-report method to obtain ASIA Impairment Scale grade in people with traumatic and non-traumatic SCI

Friday, September 4th, 2020

11:00 AM – 12:30 PM

Oral Presentations Auditorium – Track 2

Peer Mentoring and Respiratory Issues

- Spinal cord injury rehabilitation centres can (and do) independently diagnose and treat non-complicated sleep-disordered breathing
- Employment in individuals with long-standing spinal cord injury in New South Wales, Australia
- Qualities and characteristics of peer-mentors with spinal cord injury in active rehabilitation training programs
- Functional electrical stimulation to help in the recovery of respiration: the diaphragm pacing experience
- Reintegration care pathway for children and young people with spinal cord injury: service user-led development of a national model
- Outcomes of spinal cord injury peer mentorship: a community-based Delphi consensus study

2:00 PM – 3:30 PM

Oral Presentations Auditorium – Track 2

Miscellaneous Topics

- Cervical epidural stimulation after spinal cord injury: a randomised pilot clinical study
- Reliability and validity of the fourth version of the Spinal Cord Independence Measure in an international multicenter study
- Correlation between quality of life, pain and functional measures in cervical myelopathy
- EEG-based machine learning algorithm to predict motor function improvement by tDCS combined with robotic gait training in spinal cord injury patients
- Activity-based therapy in the community for individuals living with spinal cord injury: the perspective of clinicians

Saturday, September 5th, 2020

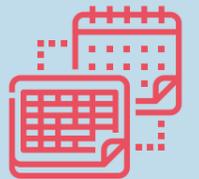
11:00 AM – 12:30 PM

Oral Presentations Auditorium – Track 1

Basic Science and Surgery

- Time course changes of serum oxidative stress marker levels in patients after surgery for compression myelopathy: an observational study
- Elderly patients with AIS-A cervical spinal cord injury by low-energy trauma are the candidates for early decompression surgery
- Safety and efficacy of NeuroAiD amongst patients with moderately severe and severe spinal cord injury
- Top 10 research priorities for degenerative cervical myelopathy - results of an international consensus process - AOSpine RECOR-DCM
- Intravenous administration of human Muse cells ameliorates deficits in a rat model of spinal cord injury
- Differences in human and animal primary neural stem cell responses to inflammatory and regenerative cues: impact on the successful translation of therapies to humans

**JOIN IN
REAL-TIME
OR
CATCH UP
LATER**



All meeting content will remain accessible for one-month post-event

MEET THE EXPERTS

The ISCoS Lounge

The lounge contains tabs for different platforms where you can meet the experts, network with fellow **Participants**, listen to the **SCI Care: What Really Matters Podcast** series and connect with **Twitter** and other **Social Media** channels.



Meet Some of the ISCoS Experts

Leading experts in the fields of:

- Spine Surgery
- Rehabilitation
- Therapy
- Basic Science
- Prevention

will be live online to take your questions during the lunch breaks on Wednesday 2nd, Thursday 3rd and Saturday 5th September. The agenda is within the ISCoS Lounge.

You will be able to submit questions via the Q&A widget and all other participants' questions will be visible to you in the chat window. The ISCoS Expert will respond to questions in a Live chat visual environment. If they cannot address all the questions during the allotted time then they may continue to do this after the session ends.



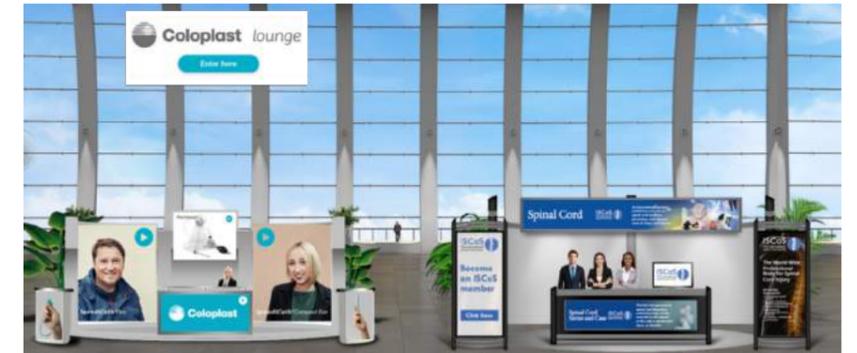
EXHIBITION HALL

Clicking on the Exhibit Hall button in the top navigation bar will take you to the Exhibition Hall where all Exhibitor Booths are located.

You can simply scroll left or right to see all the booths in the horizontal view and click on any booth in the Exhibit Hall to access each one.

You can also find a booth using the Exhibitors Index in the bottom right section. All booths are listed alphabetically in the Exhibitor Index.

To enter a booth, simply click on that booth in the Exhibit Hall or the name of the booth in the Exhibitors Index.



VIRTUAL BRIEFCASE

Collect videos, documents, presentations, product details and services from the virtual booths

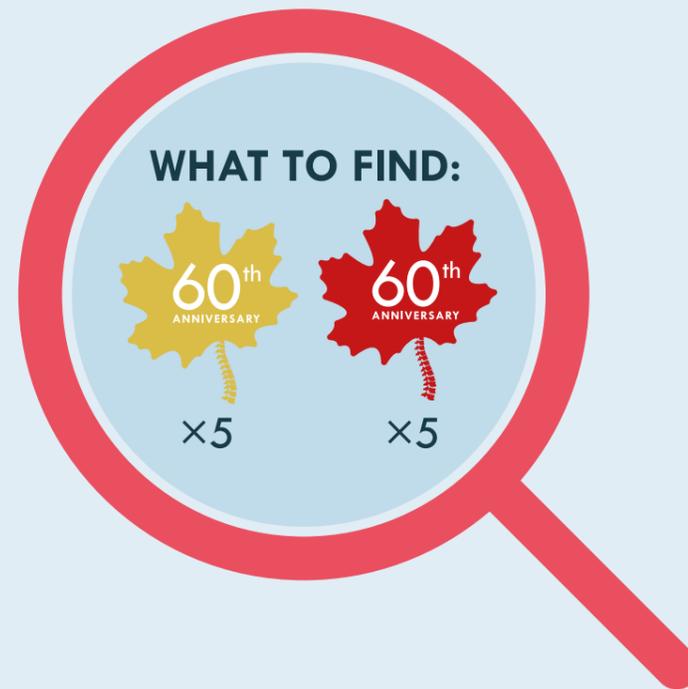


KICKSTART CONVERSATIONS WITH CHAT

Engage individually or in a group in real-time using Audio/Video Chat



ISCoS SCAVENGER HUNT!



HOW TO PLAY:

Find the 60th ISCoS mascots hidden within the virtual platform; there are five red mascots and five golden mascots in total. When you spot a mascot, just click on the icon!

Delegates who find all ten mascots will be entered into a lucky draw to win one of the **five ISCoS Membership Subscription grants for 2021**.

We will choose the winners at the conclusion of the event and the winners will be announced at the Closing Ceremony on Saturday 5 Sept from 15:30 -16:00 BST.

RULES:

- Only attendees who find all ten mascots by Friday 4 September at 16:00 BST will be entered into the draw to win the grant.
- The winner will be contacted by their registered account email address to claim the grant.
- Only regular (full) attendee registrations are eligible to enter the draw.

ISCoS LEADERBOARD GAME

THE GAME:

Collect points by visiting and looking at various elements throughout the virtual platform. Points will be automatically added to your profile and you can track your ranking on the Leader Board page.

The **top eight highest scoring delegates** on the leader board can win one of the following grants:

#1 – #2:

Full registration grant for ISCoS 2021 in Vancouver (2 grants available)

#3 – #4:

One night's accommodation grant in Vancouver (2 grants available)

**hotel designated by the organisers, single occupancy*

#5 – #8:

Online registration grant for ISCoS 2021 (4 grants available)

HOW TO COLLECT POINTS:

Visit a Booth	100
View Booth Video	50
Click on Booth Banner	25
View Booth Document	25
Click on Booth Menu	5
Watch a Webinar	20
View a Poster	20
Click on any Scavenger Hunt Item	5
Chat Click	50

MAKING ISCoS HISTORY

The Spinal Unit at Stoke Mandeville Hospital was founded in February 1944 by Dr Ludwig Guttmann (later Sir Ludwig Guttmann). It was a Ministry of Pensions Hospital for the treatment of injured servicemen and ex-servicemen. In 1952 it became the National Spinal Injuries Centre, part of the British National Health Service.

In 1948 the National Stoke Mandeville Games were started and in 1952 the International Stoke Mandeville Games were founded. In 1955 the doctors from various countries who accompanied their teams to these Games, started to meet informally to discuss their clinical work and research. As these meetings became larger and more formal, the International Medical Society of Paraplegia was founded in 1961 with Sir Ludwig Guttmann as the President.

In the early years, the Annual Scientific Meetings were held at Stoke Mandeville Hospital, except in Olympic years when they were held in association with the Paralympics. The Annual Scientific Meetings have since been held in many different countries and in addition there are Regional Meetings supported by the Society, throughout the world.

ISCoS Membership

For further information please contact admin@iscos.org.uk or visit this [link](#).



*The Spinal Victims' Best Friend Instructs His Staff
Dr. Guttmann, the Spinal Centre's founder, chief, and inspiration, shows physiotherapists
how in this patient at swinging exercise, upper muscles can move paralysed hips.*



THE FUTURE OF ISCoS MEETINGS

2020 is the year we learnt to do things very differently due to a small and very nasty virus. We have learnt to use virtual systems for staff and ward meetings, for patient reviews and for our education, our learning and our teaching but we have missed being with our friends, our families and our colleagues. We have learnt to move away rather than towards others, we all wash our hands much more often than before and we have stopped travelling to other places, for work, for meetings and/or for holidays. So many conferences have been cancelled, postponed, or have been reconfigured as virtual meetings and a few are experimenting with hybrid meetings.

Instead of being in Yokohama in September 2020, the 59th ISCoS Annual Scientific Meeting went virtual and virtual meetings have a lot going for them, including reduced costs and allowing people to attend who otherwise could not.

2021 will be different again. To celebrate the 60th Anniversary of the first ISCoS ASM, our meeting will be in beautiful Vancouver and I hope that many of you will be able to join us there. Some of you will recall the wonderful meeting held in Vancouver in 2002 and it will be exciting to revisit this lovely city. However, this meeting will be different for other reasons as well. It will be a 'hybrid' meeting with those who can attend in person doing so, while allowing those who cannot attend in person to attend from home at a lower cost to register using these new systems that we are now utilising on a daily basis.

I look forward to spending our 60th ISCoS ASM with all of you – either in Vancouver in person or via the virtual links that will be available.

A/Prof Ruth Marshall

ISCoS President-Elect



**MAKE
HISTORY**



ISCoS
ANNUAL
SCIENTIFIC
MEETING

SAVE THE DATE

The International Spinal Cord Society Annual Scientific Meeting

30 SEPTEMBER - 2 OCTOBER 2021

VANCOUVER CONVENTION CENTRE, CANADA

CALL FOR PAPERS

16 NOVEMBER 2020