# N/IVPJ/NUILDINE VJT

# GGHERWUW AVENISITY

Prevention and management of lower urinary tract trauma in the age of AI

1 - 3 November 2023, 8AM-5PM (GMT)

**18 CPD** 

# **17TH-GURS-MASTERCLASS**

Registration fee:£ 350Interactive online attendanceincludes:£ 150Discount rate for low-and middle-income economies

- 3-day GURS-Masterclass online attendance (no single day purchase)
- > post-event access to course recording on GURS Masterclass website (expect email with your login details in Dec 2023)

Registration link (opens from July 15, 2023): https://auca.arlo.co

Order confirmation and course instructions and reminders will be emailed to the email used for registration. Please check your

spam filter regularly. If possible avoid using your hospital email with strong corporate spam filters for course registration.

#### Dear GURS friends and colleagues,

Welcome to the 17th GURS-Masterclass!

This year, our focus is on traumatic injuries of the male lower urinary tract.

Since our previous meeting in November 2022, the realm of artificial intelligence (AI) has been on the verge of rapidly transforming our lives. While we may expect the emergence of Artificial General Intelligence (AGI), the expertise of skilled surgeons will continue to be essential in the event of an unforeseen accident, *- albeit for a limited period*.

#### You may ask - how limited a time period are we talking about?

It's difficult to predict an exact time frame for how long the skills of highly capable surgeons will remain indispensable in the context of advancing artificial intelligence. The rate of progress in AI technologies and their integration into medical practices can vary significantly. It could be a matter of years, decades, or potentially longer before AI reaches a level where it can reliably and safely perform complex surgical procedures independently. It will depend on a multitude of factors such as technological advancements, regulatory approvals, ethical considerations, societal acceptance, and the establishment of robust safety protocols.

#### Are Humans meant to colonize Space, rather than sending AGI replicas? ...

Join us for an engaging three-day online event featuring top experts in Genitourinary Reconstructive Surgery. We will delve into challenging live surgery cases, along with semi-live surgeries, lectures, and interactive discussions.

Moreover, we have allocated an hour each day to address your specific cases. Simply send us your case by email to **uclh.enquiry.malerecon@nhs.net**, including two PowerPoint slides with the case history and relevant imaging, as well as your name and hospital affiliation.

For those attending the online conference in London, we invite you to join us for post-event drinks at The Marylebone Hotel, located at 47 Welbeck St, London W1G 8DN. It's a wonderful opportunity to network, connect with fellow participants and faculty, and continue the discussions in a relaxed setting.

We extend our sincere appreciation to our main sponsor, Boston Scientific. Their generosity has made this event possible, and we are grateful for their ongoing support. Don't miss out on this opportunity to learn from leading professionals, participate in lively discussions, and have your cases reviewed by experts in the field. Mark your calendars and be ready for an enriching and interactive experience.



"As individuals we should be asking us why we are doing what we are doing ..." (Max Tegmark)

... 'To boldly go where no one has gone before' (Star Trek)

Marle roll

Daniela Andrich, Convenor



#### Course Aims:

The objectives of the GURS-Masterclass are as follows:

- 1. Demonstrate surgical techniques and intra-operative decision-making involved in complex Genitourinary Reconstructive Surgery through live surgical procedures.
- 2. Engage participants in interactive case discussions, encouraging active participation and knowledge sharing.
- 3. Provide a platform for GURS surgeons to learn, network, and exchange the latest updates on GURS research and products.

By achieving these aims, the GURS-Masterclass aims to enhance surgical skills, facilitate professional networking, and foster the exchange of valuable information among GURS surgeons.

This event is hosted by our Non-profit organisation AUCA, Advanced Urinary Catheterisation Academy, Company Reg.No. 12389008, so that we can handle your registration in a GDPR-compliant way. Any enquiries, please email: info@auca.online

## Convenors



Daniela Andrich Honorary Associate Professor, UCL Consultant Reconstructive Urological Surgeon University College London Hospitals London, UK



Tony Mundy Professor of Urology Corporate Medical Director and Responsible Officer University College London Hospitals Former President of BAUS London, UK



Anastasia Frost Specialty Doctor Reconstructive Urology University College London Hospitals Production Manager GURS-Masterclass London, UK



Angelica Lock Clinical Nurse Specialist Reconstructive Urology Camera Assistant GURS-Masterclass London, UK



Mariya Dragova **Clinical Nurse Specialist Reconstructive** Urology Camerawoman GURS-Masterclass, London, UK

## Faculty



Clare Allen Consultant Uro-Radiologist University College London Hospitals London, UK



Tamsin Greenwell Honorary Associate Professor, UCL Consultant Reconstructive Urological Surgeon University College London Hospitals London, UK



David Ralph Professor of Urology University College London Hospitals I ondon ÚK



Wai Gin (Don) Lee Consultant Urological Surgeon and Andrologist, Chair, European Society for Sexual Medicine Subcommittee for Genitourinary Reconstructive Surgery University College London Hospitals, London, UK



Paul Anderson Consultant Urologist and Andrologist Birmingham, UK



#### Anthony Atala

Director, Wake Forest Institute for Regenerative Medicine W.Boyce Professor and Chair of the Department of Urology at Wake Forest University Winston Salem, USA



#### Margit Fisch

| Professor of Urology               |                |
|------------------------------------|----------------|
| Director and Chair of the Departm  | ent of Urology |
| Former President of the Society of | f GURS         |
| President DGU 2021                 |                |
| Hamburg, Germany                   |                |



Jai Eswara Chief of Urology St. Elizabeth Medical Center Tuffs University School of Medicine Boston, USA



Nichola Jeffery Consultant Urological Surgeon Royal Alfred Hospital Sydney, Australia



Keith Rourke Professor of Urology, University of Alberta Chief of Urology Northern Alberta Urology Centre Edmonton, Canada



Drew Peterson Professor of Surgery Division of Urology Duke University Durham, USA



Hunter Wessells UWP President and Urology Department Chair University of Washington Seattle, USA



Steven Brandes

Chief of Reconstructive Urology Given Foundation Professor of Urology Columbia University Medical Center New York, USA

#### Lee Zhao

Assistant Professor of Urology Department of Urology Director of Male Reconstructive Surgery Co-Director of Transgender Reconstructive Surgery Program NY Langone Health System New York, USA



Consultant in Anaesthesia at University College London Hospitals Honorary Professor of Public Engagement for Science and Medicine at UCL Founder the Centre for Altitude, Space and Extreme environment

physiology Science broadcaster and author



Pippa Sangster Consultant Andrologist and lead for male infertility, University College London Hospitals London, UK

### PROGRAMME

### Day 1 (1 Nov 2023): Venturing into the Frontier & Urethral Trauma

8:00 Welcome to the Future .. and back on Earth Daniela Andrich

8:05 Lecture: Printing bots: 3-D tissue printing in Space Anthony Atala

8:25 Lecture: RoboTele-surgery in Space

Lee Zhao

8:45 Lecture: The frontiers of reproductive medicine for the Space Age

Pippa Sangster

9:05 Lecture: How do you pee poo and have sex in Space?

Kevin Fong

**09:25 Lecture:** Iatrogenic injury of the lower urinary tract from BPH surgery - mechanism of injury and management Keith Rourke

**09:45 Lecture:** Catheterization-ass. urethral injury (CAUI) - mechanism of injury and emergency management & sepsis prevention Jai Eswara

10:05 Case Presentation & Imaging review

Anastasia Frost, Clare Allen

**10:10 Live-surgery:** perineal urethrostomy (Fourier's gangrene after CAUI)

Surgeon: Daniela Andrich

ca. 12:00 Lunch

**12:20 Lecture:** Fall astride Urethral Injury - mechanism of injury and urethral reconstruction techniques Steve Brandes

**12:40 Lecture:** Pelvic Fracture urethral injury - mechanism of injury and urethral reconstruction techniques Drew Peterson

13:00 Case Presentation & Imaging review

Anastasia Frost, Clare Allen

13:10 Live-surgery: redo-urethroplasty for Pelvic Fracture Urethral Injury (PFUI) stricture

Surgeon: Tony Mundy

ca. 16:00 Interactive Roundtable / MDT Case discussions - audience submitted cases

Moderator: Daniela Andrich

#### ca. 17:00 Closing Remarks:

Daniela Andrich

### PROGRAMME

### Day 2 (2 Nov 2023): Incontinence management after lower urinary tract trauma

#### 8:00 Welcome Daniela Andrich

#### 8:00 Lecture: Bulbar AUS

Margit Fisch

#### 8:20 Lecture: Bladder neck AUS

Drew Peterson

#### 8:40 Lecture: Urinary diversion options for salvage incontinence treatment

Tony Mundy

#### 9:00 Lecture: Ideal conduit and outcome after pelvic exenteration

Nikki Jeffery

#### 9:20 Case Presentation & Imaging review

Anastasia Frost, Clare Allen

#### 9:30 Live-surgery: bulbar AUS (post-urethroplasty & Bladder neck AUS erosion after PFUI)

Surgeon: Tony Mundy

#### ca. 11:30 Semi Live-surgery: bulbar AUS double cuff placement

Surgeon: Margit Fisch

ca. 12:00 Lunch

#### 12:20 Lecture: Conservative incontinence treatment options

Nikki Jeffery

#### 12:40 Lecture: Injectables - what's on the market and FDA/UKCA/CE approved for male incontinence?

Tamsin Greenwell

#### 13:00 Lecture: Male slings - what's on the market and FDA/UKCA/CE approved for male incontinence?

Jai Eswara

#### 13:20 Lecture: Feasibility and considerations of incontinence procedures in urethral stricture patients

Keith Rourke

#### 13:40 Case Presentation & Imaging review

Anastasia Frost, Clare Allen

13:50 Live-surgery: Male sling (post-Greenlight laser prostatectomy)

Surgeon: Daniela Andrich

#### ca. 16:00 Interactive Roundtable / MDT Case discussions - audience submitted cases

Moderator: Daniela Andrich

#### ca. 17:00 Closing Remarks

Daniela Andrich

### PROGRAMME

### Day 3 (Friday 3 Nov 2023:) Genital trauma & ED management after PFUI

#### 8:00 Welcome Daniela Andrich

8:00 Lecture: Penoscrotal Trauma (blast)

Steve Brandes

#### 8:20 Lecture: Testicular Trauma

Hunter Wessels

8:40 Lecture: Fournier's gangrene

Paul Anderson

#### 9:00 Lecture: Penile fracture management

Wai Gin Lee

9:20 Lecture: Surgical Rehabilitation of complete erectile dysfunction after pelvic fracture urethral injury

David Ralph

9:40 Lecture: Pharmacological Rehabilitation for ED after pelvic trauma

Hunter Wessells

10:00 Lecture: Psychological Rehabilitation of complete erectile dysfunction after pelvic fracture urethral injury

Keith Rourke

**10:20 Case Presentation & Imaging review** 

Anastasia Frost, Clare Allen

10:30 Live-surgery: Inflatable penile prosthesis implantation after PFUI reconstruction with re-routed urethra

Surgeon: David Ralph

#### ca. 12:00 Lunch

**13:30 Lecture:** Fertility tissues related to genitourethral trauma and state-of-the art of assisted reproductive technology (ART) Pippa Sangster

12:30 Lecture: Split skin graft and full skin graft indication and techniques

David Ralph

**13:00 Lecture:** Review shunt techniques and novel treatment approaches for priapism

Wai Gin Lee

#### 14:00 Case Presentation & Imaging review

Anastasia Frost, Clare Allen

14:10 Semi-Live-surgery: Penile fracture repair with complete urethral injury

Surgeon: Wai Gin Lee

#### ca. 15:00 Interactive Roundtable / MDT Case discussions - audience submitted cases

Moderator: David Ralph

ca. 17:00 Closing Remarks

Daniela Andrich

## Donors

This conference was enabled by an educational grant from Boston Scientific and hosted on the platform of the Advanced Urinary Catheterisation Academy *Thank you!* 







Thanks to:

Our patients and all the clinical staff and managers to make this event happen.

My colleagues who helped organise, film and stream the event!

The housekeepers for tidying up our WMS Studio every day.

AUCA for organising and hosting the event.

BAUS providing CPD Credits for the event.

GURS, ESGURS, ISORUand Penrecon for spreading the word amongst their members.

UCLH Charity for managing the GURS-Masterclass fund.

The Talking Slides Team for curating the post-event recordings and providing delegate login ID's to access the GURS-Masterclass website.