Registration:

- **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](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)

Daniela Andric, Convenor

Course Aims:
The objectives of the GURS-Masterclass are as follows:

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.
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
Speciality 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

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 Department of Urology
Former President of the Society of 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

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

Kevin Fong
Consultant in Anaestheisa 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

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
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

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
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<td>8:00</td>
<td>Welcome</td>
<td>Daniela Andrich</td>
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<tr>
<td>8:00</td>
<td>Lecture: Bulbar AUS</td>
<td>Margit Fisch</td>
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<tr>
<td>8:20</td>
<td>Lecture: Bladder neck AUS</td>
<td>Drew Peterson</td>
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<tr>
<td>8:40</td>
<td>Lecture: Urinary diversion options for salvage incontinence treatment</td>
<td>Tony Mundy</td>
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<tr>
<td>9:00</td>
<td>Lecture: Ideal conduit and outcome after pelvic exenteration</td>
<td>Nikki Jeffery</td>
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<tr>
<td>9:20</td>
<td>Case Presentation &amp; Imaging review</td>
<td>Anastasia Frost, Clare Allen</td>
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<tr>
<td>9:30</td>
<td>Live-surgery: bulbar AUS (post-urethroplasty &amp; Bladder neck AUS erosion after PFUI)</td>
<td>Surgeon: Tony Mundy</td>
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<tr>
<td>11:30</td>
<td>Semi Live-surgery: bulbar AUS double cuff placement</td>
<td>Surgeon: Margit Fisch</td>
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<tr>
<td>12:00</td>
<td>Lunch</td>
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<tr>
<td>12:20</td>
<td>Lecture: Conservative incontinence treatment options</td>
<td>Nikki Jeffery</td>
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<tr>
<td>12:40</td>
<td>Lecture: Injectables - what's on the market and FDA/UKCA/CE approved for male incontinence?</td>
<td>Tamsin Greenwell</td>
</tr>
<tr>
<td>13:00</td>
<td>Lecture: Male slings - what's on the market and FDA/UKCA/CE approved for male incontinence?</td>
<td>Jai Eswara</td>
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<tr>
<td>13:20</td>
<td>Lecture: Feasibility and considerations of incontinence procedures in urethral stricture patients</td>
<td>Keith Rourke</td>
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<tr>
<td>13:40</td>
<td>Case Presentation &amp; Imaging review</td>
<td>Anastasia Frost, Clare Allen</td>
</tr>
<tr>
<td>16:00</td>
<td>Interactive Roundtable / MDT Case discussions - audience submitted cases</td>
<td>Moderator: Daniela Andrich</td>
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<tr>
<td>17:00</td>
<td>Closing Remarks</td>
<td>Daniela Andrich</td>
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# Programme

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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</thead>
<tbody>
<tr>
<td>8:00</td>
<td><strong>Welcome</strong></td>
<td>Daniela Andrich</td>
</tr>
<tr>
<td>8:00</td>
<td><strong>Lecture:</strong> Penoscrotal Trauma (blast)</td>
<td>Steve Brandes</td>
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<tr>
<td>8:20</td>
<td><strong>Lecture:</strong> Testicular Trauma</td>
<td>Hunter Wassells</td>
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<tr>
<td>8:40</td>
<td><strong>Lecture:</strong> Fournier’s gangrene</td>
<td>Paul Anderson</td>
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<tr>
<td>9:00</td>
<td><strong>Lecture:</strong> Penile fracture management</td>
<td>Wai Gin Lee</td>
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<tr>
<td>9:20</td>
<td><strong>Lecture:</strong> Surgical Rehabilitation of complete erectile dysfunction after pelvic fracture urethral injury</td>
<td>David Ralph</td>
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<tr>
<td>9:40</td>
<td><strong>Lecture:</strong> Pharmacological Rehabilitation for ED after pelvic trauma</td>
<td>Hunter Wassells</td>
</tr>
<tr>
<td>10:00</td>
<td><strong>Lecture:</strong> Psychological Rehabilitation of complete erectile dysfunction after pelvic fracture urethral injury</td>
<td>Keith Rourke</td>
</tr>
<tr>
<td>10:20</td>
<td><strong>Case Presentation &amp; Imaging review</strong></td>
<td>Anastasia Frost, Clare Allen</td>
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<tr>
<td>10:30</td>
<td><strong>Live-surgery:</strong> Inflatable penile prosthesis implantation after PFUI reconstruction with re-routed urethra</td>
<td>David Ralph</td>
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<td></td>
<td><strong>ca. 12:00 Lunch</strong></td>
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<tr>
<td>13:30</td>
<td><strong>Lecture:</strong> Fertility tissues related to genitourethral trauma and state-of-the-art of assisted reproductive technology (ART)</td>
<td>Pippa Sangster</td>
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<tr>
<td>12:30</td>
<td><strong>Lecture:</strong> Split skin graft and full skin graft indication and techniques</td>
<td>David Ralph</td>
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<tr>
<td>13:00</td>
<td><strong>Lecture:</strong> Review shunt techniques and novel treatment approaches for priapism</td>
<td>Wai Gin Lee</td>
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<tr>
<td>14:00</td>
<td><strong>Case Presentation &amp; Imaging review</strong></td>
<td>Anastasia Frost, Clare Allen</td>
</tr>
<tr>
<td>14:10</td>
<td><strong>Semi-Live-surgery:</strong> Penile fracture repair with complete urethral injury</td>
<td>Wai Gin Lee</td>
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<tr>
<td></td>
<td><strong>ca. 15:00 Interactive Roundtable / MDT Case discussions - audience submitted cases</strong></td>
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<td></td>
<td><strong>Moderator:</strong> David Ralph</td>
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<tr>
<td>17:00</td>
<td><strong>Closing Remarks</strong></td>
<td>Daniela Andrich</td>
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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, ISORU and 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.