15 FEB 2027 — 18 FEB 2027

HUCAD Minimally Invasive Urology: Kidney and Prostate – Surgical Instrumentation for Nurses

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NOVA MEDICAL SCHOOL



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COURSE PRESENTATION

The HUCAD Minimally Invasive Urology: Kidney and Prostate – Surgical Instrumentation for Nurses course was designed as a specialised professional development programme for nurses seeking to deepen and consolidate their technical and scientific expertise in urological surgery. The programme is grounded in current scientific evidence and aligned with best practices in patient safety, quality assurance, and risk management in the operating room.

A distinctive feature of the course is its practical training component using human cadaveric specimens, providing a highly specialised learning environment with a high degree of anatomical and surgical fidelity.
This methodology enables participants to consolidate their knowledge of anatomy, enhance their understanding of the stages of surgical procedures, and develop advanced skills in the preparation, anticipation, and management of surgical instruments and devices specific to urological surgery, while also optimising multidisciplinary teamwork.

The course also includes an introductory session on robot-assisted surgery, providing nurses with their first hands-on exposure to the console of a surgical robotic system. During this session, participants will have the opportunity to examine the console's configuration and become familiar with its main functions, thereby gaining a better understanding of its role in robotic urological surgery.

This session is primarily demonstrative and exploratory, allowing participants to familiarise themselves with the equipment's key components and the fundamental principles of its use in the operating room.

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LEARNING OBJECTIVES

1. Deepen knowledge of the surgical anatomy of the kidney and prostate, correlating anatomical structures with the different stages of surgical procedures.
2. Apply principles of surgical safety and risk management in the perioperative setting.
3. Identify the appropriate surgical positioning for each type of procedure, including the equipment required to prevent anaesthetic and surgical complications.
4. Identify and prepare the instruments and equipment required for each renal or prostatic surgical procedure, according to its specific requirements.
5. Arrange, organise, and manage the instrument table according to the different procedures and surgical approaches, ensuring compliance with aseptic principles.
6. Correctly select and handle energy-based devices and other specialised equipment used in urological surgery.
7. Optimise intraoperative workflow by critically anticipating the needs of the surgical team, ensuring the smooth and continuous progression of each phase of the surgical procedure.
8. Develop critical thinking and decision-making skills in a high-fidelity simulated surgical environment.
9. Enhance interpersonal communication and effective coordination within the multidisciplinary team, fostering a culture of perioperative safety.
10. Observe the configuration of a surgical robotic console and develop a general understanding of its functionality.

COORDINATOR



Carla Gago, RN

FACULTY

Carla Gago
Helena Sousa
José Reis
Teresa Rua

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PROGRAM

IN-PERSON	NOVA Medical School | Campus Carcavelos	32H

DAY 1 | 15/02/2027 **8h00 – 19h00**

Introduction to Robotic Surgery
- Principles of robot-assisted surgery
- Components of the surgical robotic system
- Surgeon console: configuration and basic functions
- Team organisation in robotic surgery
- Roles of the scrub nurse and circulating nurse
- Introductory principles of surgical robotic system preparation and safety

Renal Surgery
- Renal anatomy
- Pyeloplasty
- Adrenalectomy
- Radical nephrectomy

DAY 2 | 16/02/2027 **9h00 – 19h00**

Renal Surgery
- Partial nephrectomy
- Specialised instrumentation for renal surgery
- Energy-based devices in urological surgery
- Surgical instrument table setup and organisation
- Stages of surgical procedures and surgical team dynamics
- Surgical positioning

PROGRAM

IN-PERSON	NOVA Medical School | Campus Carcavelos	32H

DAY 3 | 17/02/2027 **8h00 – 19h00**

Prostate Surgery

- Surgical anatomy of the prostate
- Lymphadenectomy
- Millin retropubic prostatectomy
- Radical prostatectomy
- Specialised instrumentation for prostate surgery

DAY 4 | 18/02/2027 **9h00 – 19h00**

Prostate Surgery

- Management of specialised surgical instruments and equipment
- Stages of surgical procedures and surgical techniques
- Surgical positioning
- Final assessment

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COURSE FEES: 300€

Application Fee: **50€**
Tuition fee (including insurance + course meals): **250€**

APPLICATION REQUIREMENTS

- Bachelor's Degree in Nursing
- Valid registration with the Portuguese Order of Nurses (Ordem dos Enfermeiros)
- Demonstrable professional experience in the perioperative setting (operating room)
- Basic competencies in surgical instrumentation, aseptic technique, and patient safety
- Availability to participate in theoretical and practical training, including simulation-based training
- Curriculum Vitae (CV)

ADMISSION CRITERIA

Applicable when the number of applicants exceeds the number of available places:

- Level and duration of operating room experience, preferably in urology or minimally invasive surgery
- Previous experience with laparoscopic techniques or exposure to robotic surgery
- Relevant additional training in the perioperative field
- Assessment of motivation (motivation letter and/or interview)
- Order of application submission, in the event of a tie

MAX. PARTICIPANTS: 12

ATTENDANCE REQUIREMENTS

Issuance of the certificate of attendance with assessment is conditional upon participation in at least 90% of the course sessions.

LANGUAGE

English
Portuguese

PROGRAM MANAGER



EDUARDO PARREIRA

ADDITIONAL INFORMATION

For more details, please contact the Program Manager:
T: (+351) 910 959 816 | 911 191 954
formacaoavancada@nms.unl.pt
NOVA Medical School | Campus Carcavelos
📍 Visit us **here**

The organisation of each course is subject to a minimum number of participants. Should this minimum number not be reached, we reserve the right to cancel the course, with participants being notified no later than 20 days prior to the scheduled course date.

In such circumstances, we accept no liability for any costs, expenses, or charges incurred by participants in connection with bookings or services arranged for the purpose of attending the course, including travel, accommodation, or any other related services.

PRR Plano de Recuperação e Resiliência
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