

HANDS-ON
WORKSHOP

OPTIMIZING FURS OUTCOMES: TRIFECTA OF SUCTION, PRESSURE AND TEMPERATURE



FRIDAY,
6TH NOV 2026



08:30 HRS
10:30 HRS
(GMT +4)



King Abdullah International Convention Centre,
Jeddah, KSA | Product Theatre



COURSE OVERVIEW:

Intrarenal pressure, irrigation management, suction technologies, and laser generated heat have become the central determinants of safety and stone free outcomes during FURS. While numerous technological advances have emerged, including suction UAS, pressure monitoring, pulse modulation, high power laser, and intelligent irrigation, many urologists have received limited structured training integrating these concepts into everyday practice. This workshop provides evidence-based teaching combined with practical simulation to allow participants to visualize, measure, and optimize these variables during FURS.

LEARNING OBJECTIVES

At the end of this session, attendees should be able to:



Explain the factors affecting intrarenal pressure and temperature during FURS



Describe the physiology of Intrarenal pressure and infectious complications during FURS



Understanding the impact of laser settings on temperature generation within the collecting system



Compare different suction technologies and their implications



Optimize Laser settings to balance dusting efficiency, fragmentation extraction and thermal safety

WORKSHOP DIRECTORS



Saeed Bin Hamri
KSA



Yasser Noureldin
Canada

FACULTY



Panagiotis Kallidonis
Greece



Mohamed Omar
Egypt

AGENDA

Moderators: Saeed Bin Hamri, KSA | Yasser Noureldin, Canada

8:30 - 8:40

Suction Beyond Stone Clearance: Redefining Efficiency and Safety in Modern Flexible Ureteroscopy

8:40 - 8:40

Intrarenal Pressure: The Invisible Enemy During Flexible Ureteroscopy

8:40 - 8:40

Laser Induced Temperature: How Hot is Too Hot?

8:40 - 8:40

The Future of Smart Stone Surgery: Integrating Suction, Pressure, and Temperature into Precision Endourology

8:40 - 8:40

Hands-on Training

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