



الرابطة القطرية
لجراحة المسالك
البولية
UROLOGICAL
SOCIETY
OF QATAR



In Collaboration with
International Alliance of Urolithiasis

01-02 Oct. 2025 | Venue: Itqan - Clinical Simulation & Innovation Center - Doha- Qatar

Ultrasound-Controlled Extra-Corporeal Shock Wave Lithotripsy (ESWL): Optimizing the Effectiveness & Outcomes

Targeted Candidates



Urologists, Fellows & Residents



ESWL Technicians & Technologists

With a Priority to Juniors



Max Candidates
20



Time Period
2 Days Course
(4 hours each day)

Venue

Hazm Mbeireek General Hospital and Ambulatory Care Center

Workshop Directors



Prof. Dr. Kemal Sarica



Prof. Dr. Morshed Salah

Workshop Co-Ordinator



Dr. Mohammed Ibrahim

Faculty



Prof. Dr. Ahmed R. El-Nahas



Dr. Bela Tallai



Dr. Salam Hussain



Mr. Maged Alghashmi



Mr. Shameem Vita

Workshop Structure

Day one: Wednesday 1st, Oct. 2025

Session 1: 12:00-14:00

Didactic Sessions

Time	Topic	Speaker	Key Points
12:00-12:15	Mechanism and Physics of ESWL	Prof. Dr. Morshed Salah	Basic understanding on how shockwaves generate, how the stone can be affected to the degree of fragmentation, elaborate important insights on the ESWL machine.
12:15-12:30	Advanced Techniques in ESWL	Prof. Dr. Kemal Sarica	The best techniques used in ESWL procedure and the best results that gained, tips & tricks on dealing with difficult cases in ESWL to achieve the best results.
12:30-12:45	Are we Still Treating Urolithiasis by ESWL?	Dr. Salam Husain	Real application of guidelines of shockwave therapy on urolithiasis and how effective the ESWL can be on daily practice
12:45-13:00	ESWL protocols and guidelines	Dr. Beal Tallai	The best protocols practiced internationally and in HMC urology practice .
13:00-13:15	How to Improve Outcomes of ESWL?	Prof. Dr. Ahmed R. El-Nahas	Techniques to improve ESWL outcomes.
13:15-13:30	Interesting case seen in ESWL work list	Mr. Maged Alghashmi	The long and fruitful journey of an expert technologist in ESWL is always full of interesting cases that are not commonly seen.
13:30-13:45	Interesting case seen in ESWL work list	Mr. Shameem Vita	
13:45-14:00	Discussion		
14:00-14:30	Pray time, Coffee Break & Snacks		

Session 2: 14:30-16:00

Hands-On Practice on Urinary Tract Ultrasound

Topics

- Understanding the Effective use of US machines.
- Introduction to ultrasound techniques for locating and diagnosing kidney stones.
- Tips and tricks to perform real-time monitoring during the procedure.

Location: Library

- The 20 candidates will be divided into 4 groups of 5 candidates each.
- The practice will be of 4 stations.
- 3-US practice stations equipped with US machine, examination bed and the needed accessories.
- The candidates will practice US on each other.
- In the 4th station, the group will have an over-view about the ESWL suit in HMGH, how it works and the technical specifications and setting of the US mounted probe.
- Each station will be led by a senior urologist / technician.
- The groups will rotate between stations; each station will take 20 minutes duration.

Catering: Coffee and refreshment available.

Day Two: Thursday 2nd, Oct. 2025

Practicing a Successful US-Controlled ESWL:

Time	
7:30 AM – 8:00 AM	Registration, Welcome Remarks
8:00 AM – 11:00 AM	State-Of-Art practice of ESWL under US control:

- The 20 registered candidates will be divided into 4 groups of 5 candidates each.
- 2 groups will practice in 2 US practice stations (the practice will be as that of the previous day to give more chance to the interested candidate to take more practice on US).
- 1 group (5 candidates) will attend and observe life procedure on patients, in the ESWL suite. The candidates will watch on-site the steps of performing the procedure inside the ESWL suit, including patient positioning, targeting process and troubleshooting any events.
- The remaining group will attend the DCU, and they will observe the admitting process and how to prepare the patients prior to the procedure, stressing the premedication protocol. They will also observe when to discharge the patients after the procedure and what instructions and education are given to the patients.
- The groups will rotate between stations; each station will take 30 minutes duration.

11:00 AM - 11:30 AM	Feedback from the candidate and discussion with the expert panel & closing remarks.
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Evaluation and Certification

- Participants will complete pre- and post-workshop evaluations to assess knowledge and skills gained.
- Certificates of completion will be awarded to participants who complete the workshop and demonstrate competence in hands-on techniques.

Workshop fee per attendee: 150\$

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