

International Urolithiasis Symposium 2026

Topics for discussion: Medical Management

Advances in the Medical Understanding, Diagnosis, and Management of Nephrolithiasis

Genetics and Molecular Insights

Monogenic Causes of Kidney Stones: Diagnosis and Opportunities for Therapy

CRISPR and Gene Therapy for Primary Hyperoxaluria and Beyond

The Gut-Kidney Axis

Enteric Hyperoxaluria and Microbial Interventions

The Urinary and Gut Microbiome: New Frontiers in Nephrolithiasis

Intestinal Solute Transport

Metabolism and Systemic Conditions

Title: *Obesity, Diabetes, and the Metabolic Syndrome: Impacts on Stone Risk*

Title: *Endocrine Disorders and Kidney Stones: From Hyperparathyroidism to Osteoporosis*

Drug Therapies and Translational Targets

Title: *Thiazides, Citrate, and Beyond: Revisiting Medical Stone Prevention*

Title: *SGLT2 Inhibitors, GLP-1 RAs, and Bisphosphonates: Emerging Agents in Stone Prevention*

Other science topics

Intestinal solute transport

Animal models

Rare kidney stones: genetics and pathophysiology

Cystinuria, Dent disease, CYP24A1, APRTd, NaPO₄ transporters

Cutting-Edge Approaches & Big Data

Title: *Omics in Kidney Stones: Integrating Genomics, Proteomics, and Metabolomics*

Title: *Leveraging Biobanks and International Cohorts in Stone Research*

Environmental and Lifestyle Influences

Title: *Global Warming, Hydration, and Stone Incidence: Evidence and Projections*

Title: *Dietary Patterns and Stone Risk: Cross-Cultural Perspectives*

Debates and Hot Topics

Debate: *Should Thiazides Still Be First-Line for Stone Prevention?*

Debate: *Is 24-Hour Urine Testing Still Necessary in Stone Evaluation?*

Keynote Lecture

Closing Remarks and Future Directions

Advancing Medical Insight into Stone Pathogenesis, Genetics, and Prevention

Monogenic Causes of Kidney Stones
Primary Hyperoxaluria: CRISPR and Beyond
Gut-Kidney Axis: Enteric Oxalate Handling
Metabolomics in Stone Disease
Urinary microbiome and crystallization

Pharmacologic and Systemic Therapies

Thiazide Diuretics in 2026: Should We Still Use Them?

New Pharmacologic Agents for Hyperoxaluria and Citrate Modulation
Crystal Growth Inhibitors: Advances from Chemistry to Biology
Diet, Lifestyle, and the Global Exposome in Stone Risk
Large Data Sets & Collaboration: What's Next for International Cohorts?

Stone Pathogenesis and Prevention

Panel / Debate Session Should 24-hour urine collections remain the cornerstone of evaluation?

Poster Sessions - Medical Stone Management

International Epidemiology of Urolithiasis

Stone Pathogenesis

Genetics of stone development / treatment

Innovations in Pharmacologic therapy

Environmental and Dietary Implications of Urolithiasis

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Topics for discussion: Surgical Management

Ureteroscopy

Slim Single-use Flexible URS (ssfURS): Does Size Matter?

Pressure in Ureteroscopy: Should We Be Measuring It?

Fluid dynamics of ureteroscopic irrigation systems

Laser Lithotripsy: Best Clinical Practice and Future Directions

Lasers Sheaths, and Suction

High Powered Lasers: Too Hot to Handle?

Pulse dynamics to improve current laser efficiency

New generation of laser lithotripsy

Sheaths

Routine use or special circumstances

The bigger the better?

New generation of UAS

Suction

Ureteroscopic suction: Does it improve results

DISS vs FANS vs CVAC – Head-to-Head Technologies

Percutaneous Approaches – Evolution & Controversy

Mini PCNL: How Small Should You Go?

Is Mini PCNL Still Evolving?

What's wrong with standard PCNL?

ECIRS vs PCNL: When to Combine?

Debates in Stone Surgery

Temperature and Pressure in URS: Matter vs Don't Matter

Non-Obstructing Stones: Observation or removal

Pre-emptive removal of asymptomatic stones

PCNL Access: Ultrasound vs Fluoro

Does SWL still have a role in current stone management

Surgical Stone Removal: Broader Horizons & Robotic Approaches

Robotic Surgery for Urolithiasis – Gimmick or Game-Changer?

Disposable Ureteroscopes: Good for the Patient, Bad for the Planet?

Closing Panel: The Future of Surgical Stone Management

Poster Sessions - Surgical Stone Management

Ureteroscopic Techniques

Intracorporeal Lithotripsy

Shock Wave Lithotripsy

Percutaneous Techniques