

Start	End	Topic	Speakers
11:00	11:05	Introduction to BPH Surgical Management and New Technologies	Dean Elterman (CAN)
11:05	11:20	Rezum - water vapour thermal ablation	Hannes Cash (GER)
11:20	11:25	Rezum	All
11:25	11:40	UroLift and iTind	Luca Cindolo (IT)
11:40	11:45	Questions	All
11:45	12:00	Aquablation - robotic, water-jet ablation	Vincent Misrai (FR)
12:00	12:05	Questions	All
12:05	12:20	Endoscopic Enucleation	Dmitry Enikeev (RU)
12:20	12:25	Questions	All
12:25	12:30	Discussion	Dean Elterman

Aims of Workshop

Recent advances in minimally invasive surgical procedures for BPH include UroLift, Rezum, iTind, and Aquablation. This 1.5hr instructional course will focus on novel therapies and techniques for the treatment of BPH. The course will provide an overview of the technologies in terms of equipment, technical approach, and high-level review of clinical data. The faculty will provide first-hand practical instruction on best practices including patient selection, technique selection, and “tips & tricks”. The faculty will provide international experience and evidenced-based summaries of the risks and benefits of these procedures to aid with patient counselling for informed consent.

Educational Objectives

The treatment of male lower urinary tract symptoms has evolved significantly over the past several years with the introduction of many new technologies. The participants will hear expert lectures from international faculty and have the opportunity to ask questions in an open forum. A comprehensive, evidence-based review along with videos and personal tips will be provided. The course will review international guidelines for the evaluation of male LUTS followed by presentations on new technologies. These include Rezum water vapour ablation, UroLift prostatic urethral life, iTind temporary prostate stent, Aquablation robotic water jet ablation, and anatomic enucleation of the prostate. The aim is to provide a practical approach that participants can bring back to their practice.

Learning Objectives

- Understand the mechanism of action and technique for each of the novel BPH therapies
- Select the best patients for each procedure type based upon patient and prostate characteristics

Target Audience

Urology, Urogynaecology and Female & Functional Urology

Advanced/Basic

Basic

Suggested Learning before Workshop Attendance

Recent Publications by Faculty:

Review of Sexual Preservation After Novel Benign Prostatic Hyperplasia Surgical Treatment Modalities From Food and Drug Administration Clinical Trials.

Bhojani N, Yafi FA, Misrai V, Rijo E, Chughtai B, Zorn KC, Elterman D. Sex Med Rev. 2020 Dec 9:S2050-0521(20)30103-7

A shared decision: Bipolar vs. monopolar transurethral resection of the prostate for benign prostatic hyperplasia.

Bhojani N, Zorn KC, Elterman D. Can Urol Assoc J. 2020 Dec;14(12):431.

Reasons to go for Rezum steam therapy: an effective and durable outpatient minimally invasive procedure.

Arezki A, Sadri I, Couture F, Schwartz R, Nguyen DD, Zakaria AS, Elterman D, Roehrborn C, McVary K, Zorn KC. World J Urol. 2020 Sep 23.

Relief of Lower Urinary Tract Symptoms after MRI-Guided Transurethral Ultrasound Ablation (TULSA) for localized prostate cancer: Subgroup Analyses in Patients with concurrent cancer and Benign Prostatic Hyperplasia.

Elterman D, Li W, Hatiboglu G, Relle J, Zorn KC, Bhojani N, Chin JL. J Endourol. 2020 Sep 16.

Reasons to believe in vaporization: a review of the benefits of photo-selective and transurethral vaporization.
Schwartz RN, Couture F, Sadri I, Arezki A, Nguyen DD, Zakaria AS, Law K, Elterman D, Rieken M, Cash H, Zorn KC. World J Urol. 2020 Sep 15

Patient Perspectives on Benign Prostatic Hyperplasia Surgery: A Focus on Sexual Health.
Bouhadana D, Nguyen DD, Zorn KC, Elterman DS, Bhojani N. J Sex Med. 2020 Oct;17(10):2108-2112.

Reasons to overthrow TURP: bring on Aquablation.
Sadri I, Arezki A, Couture F, Nguyen DD, Schwartz R, Zakaria AS, Elterman D, Rijo E, Misrai V, Bach T, Roehrborn CG, Zorn KC. World J Urol. 2020 Aug 1.

Aquablation for benign prostatic hyperplasia in large prostates (80-150 cc): 2-year results.
Desai M, Bidair M, Bhojani N, Trainer A, Arther A, Kramolowsky E, Doumanian L, Elterman D, Kaufman RP Jr, Lingeman J, Krambeck A, Eure G, Badlani G, Plante M, Uchio E, Gin G, Goldenberg L, Paterson R, So A, Humphreys MR, Roehrborn CG, Kaplan S, Motola J, Zorn KC. Can J Urol. 2020 Apr;27(2):10147-10153

Operative time comparison of aquablation, greenlight PVP, ThuLEP, GreenLEP, and HoLEP.
Nguyen DD, Misrai V, Bach T, Bhojani N, Lingeman JE, Elterman DS, Zorn KC. World J Urol. 2020 Dec;38(12):3227-3233

Multicenter experience with photoselective vaporization of the prostate on men taking novel oral anticoagulants.
Sachs B, Misrai V, Tabatabaei S, Woo HH. Asian J Urol. 2020 Oct;7(4):340-344

Transurethral laser ablation of the prostate: from "which technique does better" to "what patient benefits the most" the real challenge in contemporary surgery.
Misrai V, Pradere B. World J Urol. 2020 Sep 21.

Systematic review of the endoscopic enucleation of the prostate learning curve.
Enikeev D, Morozov A, Taratkin M, Misrai V, Rijo E, Podoinitsin A, Gabdullina S, Herrmann TRW. World J Urol. 2020 Sep 17.

En bloc GreenLight laser enucleation of the prostate (GreenLEP): An in-depth look at the anatomical endoscopic enucleation of the prostate using a 532-nm lithium triborate laser.
Rijo E, Misrai V. Andrologia. 2020 Sep;52(8):e13729

Transfusion rates after 800 Aquablation procedures using various haemostasis methods.
Elterman D, Bach T, Rijo E, Misrai V, Anderson P, Zorn KC, Bhojani N, El Hajj A, Chughtai B, Desai M. BJU Int. 2020 Apr;125(4):568-572

Standardization of 532-nm Laser Terminology for Surgery in Benign Prostatic Hyperplasia: A Systematic Review.
Stoddard MD, Zorn KC, Elterman D, Cash H, Rijo E, Misrai V, Te A, Chughtai B. J Endourol. 2020 Feb;34(2):121-127

Anatomic GreenLight laser vaporization-incision technique for benign prostatic hyperplasia using the XPS LBO-180W system: How I do it.
Law KW, Elterman DS, Cash H, Rijo E, Chughtai B, Misrai V, Zorn KC. Can J Urol. 2019 Oct;26(5):9963-9972.

Waterjet Ablation Therapy for Endoscopic Resection of prostate tissue trial (WATER) vs WATER II: comparing Aquablation therapy for benign prostatic hyperplasia in 30-80 and 80-150 mL prostates.
Nguyen DD, Barber N, Bidair M, Gilling P, Anderson P, Zorn KC, Badlani G, Humphreys M, Kaplan S, Kaufman R, So A, Paterson R, Goldenberg L, Elterman D, Desai M, Lingeman J, Roehrborn C, Bhojani N. BJU Int. 2020 Jan;125(1):112-122

The Rezum system - a minimally invasive water vapor thermal therapy for obstructive benign prostatic hyperplasia.
Cantrill CH, Zorn KC, Elterman DS, Gonzalez RR. Can J Urol. 2019 Jun;26(3):9787-9793

Aquablation for Benign Prostatic Hyperplasia in Large Prostates (80-150 cc): 1-Year Results.
Bhojani N, Bidair M, Zorn KC, Trainer A, Arther A, Kramolowsky E, Doumanian L, Elterman D, Kaufman RP, Lingeman J, Krambeck A, Eure G, Badlani G, Plante M, Uchio E, Gin G, Goldenberg L, Paterson R, So A, Humphreys M, Kaplan S, Motola J, Desai M, Roehrborn C. Urology. 2019 Jul;129:1-7

Aquablation for benign prostatic hyperplasia in large prostates (80-150 mL): 6-month results from the WATER II trial.
Desai M, Bidair M, Zorn KC, Trainer A, Arther A, Kramolowsky E, Doumanian L, Elterman D, Kaufman RP Jr, Lingeman J, Krambeck A, Eure G, Badlani G, Plante M, Uchio E, Gin G, Goldenberg L, Paterson R, So A, Humphreys M, Roehrborn C, Kaplan S, Motola J, Bhojani N. BJU Int. 2019 Aug;124(2):321-328

Recent advances in managing benign prostatic hyperplasia: The Rezum System.
Guelce D, Thomas D, Elterman D, Chughtai B. *F1000Res*. 2018 Dec 10;7:F1000 Faculty Rev-1916

Canadian Urological Association guideline on male lower urinary tract symptoms/benign prostatic hyperplasia (MLUTS/BPH): 2018 update.
Nickel JC, Aaron L, Barkin J, Elterman D, Nachabé M, Zorn KC. *Can Urol Assoc J*. 2018 Oct;12(10):303-312

Comparison of <?100 cc prostates and >?100 cc prostates undergoing aquablation for benign prostatic hyperplasia.
Bhojani N, Nguyen DD, Kaufman RP Jr, Elterman D, Zorn KC. *World J Urol*. 2019 Jul;37(7):1361-1368

Aquablation among novice users in Canada: A WATER II subpopulation analysis.
Zorn KC, Goldenberg SL, Paterson R, So A, Elterman D, Bhojani N. *Can Urol Assoc J*. 2019 May;13(5)

Recent Publication on Topic:

A Systematic Review of Reported Ejaculatory Dysfunction in Clinical Trials Evaluating Minimally Invasive Treatment Modalities for BPH.

Lokeshwar SD, Valancy D, Lima TFN, Blachman-Braun R, Ramasamy R. *Curr Urol Rep*. 2020 Oct 26;21(12):54

An Indirect Comparison of Newer Minimally Invasive Treatments for Benign Prostatic Hyperplasia: A Network Meta-Analysis Model.

Tanneru K, Jazayeri S, Muhammad A, Kumar J, Bazargani S, Kuntz G, Palayapalayam Ganapathi H, Bandyk M, Marino R, Koochekpour S, Gautam S, K C B, Costa J.J. *Endourol*. 2020 Sep 22

Reasons for new MIS. Let's be fair: iTIND, Urolift and Rezum.

Suarez-Ibarrola R, Miernik A, Gratzke C, Schoeb DS. *World J Urol*. 2020 Sep 22

Rezum water vapour therapy: promising early outcomes from the first UK series.

Johnston MJ, Noureldin M, Abdelmotagly Y, Paramore L, Gehring T, Nedas TG, Rajkumar G, Emara A, Hindley RG. *BJU Int*. 2020 Nov;126(5):557-558.

3-Year results following treatment with the second generation of the temporary implantable nitinol device in men with LUTS secondary to benign prostatic obstruction.

Amparore D, Fiori C, Valerio M, Schulman C, Giannakis I, De Cillis S, Kadner G, Porpiglia F. *Prostate Cancer Prostatic Dis*. 2020 Oct 1.

Urinary and sexual function after treatment with temporary implantable nitinol device (iTind) in men with LUTS: 6-month interim results of the MT-06-study.

De Nunzio C, Cantiello F, Fiori C, Crocero F, Tognoni P, Amparore D, Baldassarri V, Elbers JR, Sancha FG, Porpiglia F. *World J Urol*. 2020 Aug 26

iTIND: the second-generation temporary implantable nitinol device for minimally invasive treatment of benign prostatic hyperplasia.

Balakrishnan D, Jones P, Somani BK. *Ther Adv Urol*. 2020 Jun 25;12:1756287220934355. doi: 10.1177/1756287220934355. eCollection 2020 Jan-Dec