Innovative TURis Plasma Vaporization Electrode Revolutionises BPH Therapy

- Shorter catheterization and hospital stay times
- Efficient and cost-effective operating
- Virtually bloodless operating
- Small learning curve, as the procedure is well established
- Easy set up with the OES Pro platform
- Combining the benefits of the golden standard the Resection of the prostate and Vaporization:
  - Fast and smooth operating
  - Minimized depth of penetration and therewith excellent post-operative results
  - Virtually no risk for TUR Syndrome
  - Greatly reduced nerve stimulisation
Innovative TURis Plasma Vaporization Electrode Revolutionises BPH Therapy

Gentle, effective and economical: with the TURis plasma vaporization electrode from Olympus, excess prostate tissue can be removed very gently and safely in patients with benign prostatic hyperplasia (BPH).

BPH is the most common non-malignant disease of the prostate. If medicinal therapy fails, transurethral resection (TUR), i.e. the removal of the affected tissue through the urethra, is the most effective form of treatment. In Germany alone, this surgical procedure is currently performed in about 60,000 patients annually.

Olympus now offers urologists a solution in which the hypertrophic prostate tissue is vaporized. For the first time the TURis plasma vaporization electrode combines the advantages of vaporization with the benefits of bipolar resection, thereby combining maximum effectiveness with the lowest possible side effects. The prostate tissue is vaporized rapidly and effectively and the surface is simultaneously gently coagulated. In this way, bleeding is minimised from the outset.

As in other established bipolar technologies, the use of physiological saline solution as the irrigation fluid and a locally restricted current flow (avoidance of an external neutral electrode) does not harm surrounding tissue and nerves, minimizes tissue denaturation and avoids TUR syndrome. This virtually bloodless treatment method also reduces catheter indwelling times and hospital stays because of the gentle technique – an advantage both for physicians and patients.

As an addition to the well-proven modular TURis resectoscope system from Olympus, this new treatment modality has a short learning curve and is convincingly cost-effective. Both the costs
of upgrading existing bipolar systems and the one-off costs of the electrode are well below the costs of existing laser vaporization techniques.

**Function and use of the TURis Plasma-vaporizationselectrode**

For more video’s go to:
http://www.olympus-oste.eu/front_content.php?idart=9&idcat=22&changelang=2

**Papers and Publications**

**Paper**

MAINTAINED EFFICACY AT LOWER MORBIDITY. BIPOLAR TECHNOLOGY REAFFIRMS TURP’S LEADING POSITION IN BPO MANAGEMENT
European Urology Today; Vol. 21 – No.5 October/ November 2009; EAU, Arnhem (The Netherlands) View online EFFECTIVE, FAST AND VIRTUAL BLOODLESS
WCE Congress News, 27th World Congress of Endourology and SWL (October 2009); Biermann Verlag, Köln (Germany)

PLASMA VAPORIZATION: MODERNSTE TURIS-THERAPIE SETZT SICH DURCH
Current Congress 61. Kongress der Deutschen Gesellschaft für Urologie e.V. (2009), Karl Demeter Verlag, Stuttgart (Germany)

TURIS PLASMA VAPORIZATION – A FUTURE PROCEDURE IN PROSTATE MANAGEMENT; INITIAL EVIDENCE CONFIRMS THE SAFETY AND EFFICIENCY OF THIS INNOVATIVE MINIMALLY INVASIVE TECHNIQUE
European Urology Today Congress News – 24th Annual Congress of the European Association of Urology (2009); EAU, Arnhem (The Netherlands)

NEUE PLASMA-VAPORISATION KOMBINIERT HÖCHSTE EFFEKTIVITÄT MIT GERINGSTMÖGLICHEN NEBENWIRKUNGEN
Lebendige Wissenschaft Spitzenforschung in der Urologie – Innovationen und Auszeichnungen, Februar 2009; ALPHA Informationsgesellschaft mbH, Lampertheim (Germany)

WENIGER BLUTUNG, MEHR SICHERHEIT, HÖHERE EFFIZIENZ
MedReview Nr. 11+12/2008, 9. Jahrgang; WILEY-BLACKWELL, Berlin (Germany)

PLASMA VAPORIZATION: EFFECTIVE, SAFE AND COST-EFFICIENT – AN INNOVATIVE METHOD OFFERS BOTH PATIENTS AND DOCTORS SUBSTANTIAL ADVANTAGES IN BPH THERAPY
European Urology Today – October/ November 2008; EAU, Arnhem (The Netherlands) View online DIE TURIS PLASMA-VAPORISATIONSELEKTRODE – ENTSCHEIDENDER FORTSCHRITT FÜR OPERATEUR UND PATIENT
Urologische Nachrichten Kongressausgabe 60. Kongress der Deutschen Gesellschaft für Urologie e.V. (2008); Biermann Verlag, Köln (Germany)
Publications

PLASMA VAPORIZATION OF THE PROSTATE: INITIAL CLINICAL RESULTS
Oliver Reich (a), Boris Schlenker (a), Christian Gratzke (a), Derya Tilki (a), Malte Riecken (b),
Christian Stief (a), Michael Seitz (a) and Alexander Bachmann (b), (a) Department of Urology,
University Hospital Munich Grosshadern, Ludwig Maximilians University, D 81377 Munich,
Germany; (b) Department of Urology, University Hospital Basel, Basel, Switzerland

FIRST ROMANIAN EXPERIENCE WITH TURIS PLASMA VAPORIZATION IN BPH
EAU 9th Central European Meeting (CEM) 2009, Session C9; Urology Supplements Volume 8,
issue 8, pages 659 - 660, September 2009
Emergency Clinical Hospital, Dept. of Urology, Bucharest, Romania

TREATMENT OF BPH WITH TRANSURETHRAL BIPOLAR VAPORIZATION IN SALINE (TUV-P.IS)
EAU 5th South Eastern European Meeting (SEEM) 2009, Session S18; European Urology
Supplements Volume 8, issue 8, pages 613ff, September 2009
S.T. Leontis, C. Fasoulakis, A. Leventis, L. Leonardopoulos, G. Diamantis, A. Rempelakos,
Hippokrateion Hospital, Dept. of Urology, Athens, Greece

EDITORIAL COMMENT ON: PLASMA VAPORIZATION OF THE PROSTATE: INITIAL CLINICAL
RESULTS
Sascha A. Ahyai, Department of Urology, University Medical Center Hamburg-Eppendorf,
Martininstr. 52, 20246 Hamburg, Germany

BIPOLAR PLASMA VAPORIZATION OF THE PROSTATE VS LASER VAPORIZATION
24th Annual EAU Congress 2009, Poster Session Poster Session 36 - Surgical therapy of BPH
Lucan, L.M.1, Lucan, L.V.1, Elec, E.F.1, Iacob, I.G.2, 1Clinical Institute of Urology and Renal
Transplantation, Dept. of Endourology, Cluj-Napoca, Romania, 2Clinical Institute of Urology and
Renal Transplantation, Dept. of Pathology, Cluj-Napoca, Romania

TRANSURETHRAL PLASMA VAPORIZATION OF THE PROSTATE IN SALINE (TUVIS-P) IN PATIENTS
UNDER CONTINUING ORAL ANTICOAGULATION
24th Annual EAU Congress 2009, Video Session Video Session 2 - Endourology
Müller, A., Bigger, K.D.P., Blick, N., Suter, S., Community Hospital Triemli, Dept. of Urology,
Zürich, Switzerland

TURIS PLASMA VAPORIZATION – INITIAL ROMANIAN EXPERIENCE WITH A NEW TECHNOLOGY
Journal of Medicine and Life, Bucharest, Vol II
Emergency Hospital, Department of Urology, Bucharest, Romania
TRANS URETHRAL BIPOLAR VAPORIZATION OF PROSTATE IN SALINE (T.U.V.Pis). A NEW RESECTION SYSTEM FOR BENIGN PROSTATIC HYPERPLASIA
AUA annual meeting 2008, Video Session- Session 1: Male Voiding Dysfunction, BPH and Didactic Urological Videos (10:30 AM-12:30 PM)
Michel Naudin*, Didier Pamart, Luc Hourriez, Mons, Belgium

COMPARISON OF TRANSURETHRAL ELECTRODE VAPORIZATION OF PROSTATE (TUEVP) USING PLASMA VAPORIZATION ELECTRODE IN NORMAL SALINE WITH LAPAROSCOPIC SIMPLE PROSTATECTOMY IN PATIENTS WITH HUGE BENIGN PROSTATIC ENLARGEMENT OF >100 GM
26th World Congress of Endourology (WCE) 2008, Session V1-07
Ning Hong Chan, Pan Herbridge Mo, Wai Hee Steve Chan, Ming Kwong Yiu Kowloon West Cluster Urology Centre, Hong Kong SAR, China

BIPOLAR VERSUS MONOPOLAR TRANSURETHRAL RESECTION OF THE PROSTATE: A SYSTEMATIC REVIEW AND META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS
European Urology Volume 56 Issue 5 (November 2009) pages 798 - 809
Charalampos Mamoulakis a, Dirk T. Ubbink b, Jean J.M.C.H. de la Rosette a ; a Department of Urology, Academic Medical Center, University of Amsterdam, Amsterdam, b Department of Quality Assurance and Process Innovation and Surgery, Academic Medical Center, University of Amsterdam, Amsterdam, Corresponding author. Department of Urology (G4-105), AMC University Hospital, Amsterdam, The Netherlands.

BIPOLAR TRANSURETHRAL RESECTION OF THE PROSTATE: WHAT DID WE LEARN, AND WHERE DO WE GO FROM HERE?
European Urology Volume 56 Issue 5 (November 2009) pages 796 - 797
Oliver Reich, Ludwig-Maximilians-University Munich, Campus Grosshadern, Munich, Germany
TURIS PLASMA VAPORISATION; A NEW APPROACH IN NON-MUSCLE INVASIVE BLADDER TUMOURS
European Urology Today; Volume 21 - No 6, Dec 09/Jan 10 Issue; EAU, Arnhem (The Netherlands)
Petrisor Geavlete; Bogdan Geavlete; Marian Jecu, Saint John Emergency Clinical Department, Bucharest Romania View online