

BIBLIOGRAPHY

Summary of
EchoLaser Main
Publications in
Urology



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EchoLaser® TPLA™ - Benign Prostatic Hyperplasia

1. Transperineal Laser Ablation for Percutaneous Treatment of Benign Prostatic Hyperplasia: A Feasibility Study. *Patelli G, Ranieri A, Paganelli A, Mauri G, Pacella CM. Cardiovasc Intervent Radiol. 2017 Sep;40(9):1440-1446.*
2. Transperineal laser ablation for percutaneous treatment of benign prostatic hyperplasia: a feasibility study. Results at 6 and 12 months from a retrospective multi-centric study. *Pacella CM, Patelli G, Iapicca G, Manenti G, Perretta T, Ryan CP, Esposito R, Mauri G. Prostate Cancer Prostatic Dis. 2020 Jun;23(2):356-363.*
3. Transperineal interstitial laser ablation of the prostate, a novel option for minimally invasive treatment of benign prostatic obstruction. *De Rienzo G, Lorusso A, Minafra P, Zingarelli M, Papapicco G, Lucarelli G, Battaglia M, Ditunno P. Eur Urol. 2021 Jul;80(1):95-103.*
4. 3-T MRI and clinical validation of ultrasound-guided transperineal laser ablation of benign prostatic hyperplasia. *Manenti G, Perretta T, Calcagni A, Ferrari D, Ryan CP, Fraioli F, Meucci R, Malizia A, Iacovelli V, Agrò EF, Floris R. Eur Radiol Exp. 2021 Sep 17;5(1):41.*
5. Feasibility, safety, and efficacy of ultrasound-guided transperineal laser ablation for the treatment of benign prostatic hyperplasia: a single institutional experience. *Frego N, Saita A, Casale P, Diana P, Contieri R, Avolio PP, Lazzeri M, Hurle R, Buffi NM, Guazzoni GF, Lughezzani G. World J Urol. 2021 Oct;39(10):3867-3873.*
6. Ultrasound-guided transperineal laser ablation for percutaneous treatment of benign prostatic hyperplasia: a new minimally invasive interventional therapy. *Cai HJ, Fang JH, Kong FL, Xu CK, Chen CH, Wang W, Huang B. Acta Radiol. 2022 Apr;63(4):553-558.*
7. Transperineal laser ablation of the prostate (TPLA) for selected patients with lower urinary tract symptoms due to benign prostatic obstruction: a step-by-step guide. *Sessa F, Bisegna C, Polverino P, Gacci M, Siena G, Cocci A, Li Marzi V, Minervini A, Serni S, Campi R. Urology Video Journal, Volume 15, 2022, 100167.*
8. Transperineal laser ablation of the prostate with EchoLaser™ system: perioperative and short-term functional and sexual outcomes. *Sessa F, Polverino P, Bisegna C, Siena G, Lo Re M, Spatafora P, Pecoraro A, Rivetti A, Conte FL, Cocci A, Villari D, Minervini A, Gacci M, Li Marzi V, Serni S and Campi R. Front. Urol. 2:969208. doi: 10.3389/fruro.2022.969208.*
9. Ultrasound-guided perineal laser ablation versus prostatic arterial embolization for benign prostatic hyperplasia: two similar short-term efficacies. *Cai H, Zhu C, Fang J. Acta Radiol. 2022 Nov 27:2841851221140214.*
10. Efficacy and safety of ultrasonography guided transperineal percutaneous laser ablation for treating benign prostatic hyperplasia: a randomized controlled trial. *Chen L, Zhang W, Meng Z, Guo Q, Cao N, Xu Y, Fu Q, Hu B. <https://doi.org/10.21203/rs.3.rs-2433606/v>*
11. Transperineal Laser Ablation of the Prostate (TPLA) for Lower Urinary Tract Symptoms Due to Benign Prostatic Obstruction. *Sessa F, Polverino P, Siena G, Bisegna C, Lo Re M, Spatafora P, Pecoraro A, Rivetti A, Moscardi L, Saladino M, et al. J. Clin. Med. 2023, 12, 793. <https://doi.org/10.3390/jcm12030793>.*
12. Standard approach and future perspective for the management of benign prostatic hyperplasia from a health-economics point of view: the role of transperineal laser ablation. *Lorenzoni V, Palla I, Manenti G, Ditunno P, de Reijke TM and Turchetti G. Front. Urol. 3:1100386. doi: 10.3389/fruro.2023.1100386.*
13. Ultrasound-guided SoractelLite™ transperineal laser ablation (TPLA) of the prostate for the treatment of symptomatic benign prostatic hyperplasia (BPH): a prospective single-center experience. *Laganà A, Di Lascio G, Di Blasi A. et al. World J Urol (2023). <https://doi.org/10.1007/s00345-023-04322-1>.*
14. Transperineal Laser Ablation for Benign Prostatic Enlargement: A Systematic Review and Pooled Analysis of Pilot Studies. *Tafari A, Panunzio A, De Carlo F, Luperto E, Di Cosmo F, Cavaliere A, Rizzo M, Tian Z, Shakir A, De Mitri R, Porcaro AB, Cerruto MA, Antonelli A, Cormio L, Carrieri G, Karakiewicz PI, Abreu AL, Pagliarulo V. J Clin Med. 2023 Feb 26;12(5):1860. doi: 10.3390/jcm12051860. PMID: 36902647; PMCID: PMC10003190.*
15. Ejaculatory Function following Transperineal Laser Ablation versus TURP for Benign Prostatic Obstruction: A Randomized Trial. *Bertolo R, Iacovelli V, Cipriani C, Carilli M, Vittori M, Antonucci M, Maiorino F, Signoretti M, Petta F, Travaglia S, Panei M, Bove P. BJU Int. 2023 Mar 14. doi: 10.1111/bju.16008. PMID: 36917033.*
16. Ablative minimally invasive surgical therapies for benign prostatic hyperplasia: A review of Aquablation, Rezum, and transperineal laser prostate ablation. *Nguyen DD, Li T, Ferreira R, Baker Berjaoui M, Nguyen AV, Chughtai B, Zorn KC, Bhojani N, Elterman D. Prostate Cancer Prostatic Dis. 2023 Apr 20. doi: 10.1038/s41391-023-00669-z. PMID: 37081044.*
17. Three years outcomes of transperineal laser ablation of the prostate. *Minafra P, DE Rienzo G, Gerbasi S, Cindolo L, Battaglia M, Ditunno P. Minerva Urol Nephrol. 2023 Jun 14. doi: 10.23736/S2724-6051.23.05270-9. Epub ahead of print. PMID: 37314812.*
18. Transperineal laser ablation of the prostate as a treatment for benign prostatic hyperplasia and prostate cancer:

The results of a Delphi consensus project. Cocci A et al. *Asian Journal of Urology*, 2023, ISSN 2214-3882, <https://doi.org/10.1016/j.ajur.2023.07.001>.

19. Transurethral resection of the prostate (TURP) versus transperineal laser ablation (TPLA) due to benign prostatic hyperplasia (BPH): prospective and comparative study. Canat HL, Gurbuz C, Bozkurt M. *Int Urol Nephrol*. 2023 Jul 27. doi: 10.1007/s11255-023-03717-8.
20. Transperineal laser ablation as treatment for benign prostatic obstruction: Safety, feasibility and functional outcomes—A pilot study. van Kollenburg R, van Riel L, Bloemen P, de Reijke T, Beerlage H, de Bruin D et al *BJUI Compass*. 2023. <https://doi.org/10.1002/bco2.278>.
21. Trans - Perineal laser ablation of the prostate in high surgical risk patients affected by severe lower urinary tract symptoms related to benign prostatic obstruction. Destefanis P, Sibona M, Vitiello F, Vercelli E, Micai L, Montefusco G, Mangione C, Bracco F, Colucci F, De Nunzio C, Gontero P. *Prostate Cancer Prostatic Dis* (2023). <https://doi.org/10.1038/s41391-023-00736-5>
22. Minimally invasive surgical therapies (MISTs) for lower urinary tract symptoms (LUTS): promise or panacea? Busetto GM, Checchia A, Recchia M, Tocci E, Falagario U, Annunziata G, Annese P, d'Altilla N, Mancini V, Ferro M, Crocetto F, Tataru OS, Di Gianfrancesco L, Porreca A, Del Giudice F, De Berardinis E, Bettocchi C, Luigi Cormio, Carrieri G. *Asian Journal of Andrology* (2023) 25, 1–9; doi: 10.4103/aja202357
23. Could transperineal interstitial laser ablation of the prostate be the right option for highly comorbid patients with lower urinary tract symptoms due to benign prostatic obstruction? A preliminary single-center experience focusing on functional and safety outcomes. Polverino P, Lo Re M, Saladino S, Pecoraro A, Moscardi L, Rivetti A, Resta GR, Pezzoli M, Romano A, Somani BK, Siena G, Cocci A, Gacci M, Minervino A, Serni S, Campi R, Sessa F
24. Minimally invasive techniques in quest of Holy Grail of surgical management of enlarged prostates: a narrative review. Porto JG, Titus R, Camargo F, Bhatia A, Ahie N, Blachman-Braun R, Malpani A, Lopategui DM, Herrmann TRW, Marcovich R, Shah HN. *World J Urol*. 2024 Jan 13;42(1):35. doi: 10.1007/s00345-023-04747-8. PMID: 38217727.
25. Office-Based Transperineal Laser Ablation for Benign Prostatic Hyperplasia Under Local Anesthesia: 2-Year Results from a Dose Range Confirmatory Trial. Bianco FJ, Luna E, Lopez-Prieto A, González P, Gheiler EL, Kaufman AM, Avila L, Maiolino G. *JU Open Plus* 2(2):e00007, February 2024. | DOI: 10.1097/JU9.0000000000000105
26. Transperineal Laser Ablation of the Prostate for Symptomatic Benign Prostatic Hyperplasia: Long-Term Follow-Up in 40 Patients. Patelli G, Altieri VM, Ierardi AM, Carnevale A, Chizzoli F, Baronchelli G, Trimarchi R, Carrafiello G. *Journal of Vascular and Interventional Radiology*, 2024,ISSN 1051-0443, <https://doi.org/10.1016/j.jvir.2024.04.023>
27. Transperineal laser ablation (TPLA) of the prostate for benign prostatic obstruction: the first 100 patients cohort of a prospective, single-center study. Lo Re M, Polverino P, Rivetti A, Pecoraro A, Saladino M, Pezzoli M, Siena G, De Nunzio C, Marzi VL, Gacci M, Serni S, Campi R, Sessa. F. *World J Urol*. 2024 Jul 10;42(1):402. doi: 10.1007/s00345-024-05077-z. PMID: 38985193.
28. Transperineal Laser Ablation of Prostate (TPLA™) Sessa F, Polverino P, Moscardi L. In “Diseases of Prostate – Management Strategies and Emerging Technologies”, IntechOpen. doi: 10.5772/intechopen.1006649
29. Complication rate across the minimally invasive surgical treatments (MISTs): where do we stand? A systematic review of the literature. Lambertini L, Sandulli A, Coco S, Paganelli D, Cadenar A, Dell'Oglio P, Puliaatti S, Di Maida F, Grosso AA, Amparore D, Bertolo R, Campi R, Lombardo R, Ferro M, Rocco B, Vittori G, Antonelli A, De Nunzio C, Minervini A, Mari A. *Prostate Cancer Prostatic Dis*. 2024 Oct 22. doi: 10.1038/s41391-024-00900-5
30. Contrast-enhanced ultrasound imaging following transperineal laser ablation for lower urinary tract symptoms. van Kollenburg RAA, van Riel LAMJG, Oddens JR, de Reijke TM, van Leeuwen TG, de Bruin DM. *Urology*. 2024 Nov 25;S0090-4295(24)01089-6. doi: 10.1016/j.urology.2024.11.043
31. Anatomic and Clinical Effects of Focal Laser Ablation of the Prostate on Symptomatic Benign Prostatic Hyperplasia. Walser EM, Zimmerer R, Nance A, Masood I, Saleem A. *Cancers*. 2025; 17(3):475. <https://doi.org/10.3390/cancers17030475>

EchoLaser® TPLA™ - Prostate Cancer

32. Safety and Feasibility of Soractelite Transperineal Focal Laser Ablation for Prostate Cancer and Short-term Quality of Life Analysis from a Multicenter Pilot Study. *Van Riel L, van Kollenburg R, Andre' N. Vis AN, van Leeuwen PJ, de Reijke TM, de Bruin DM, Oddens JR. Prostate Cancer* | Volume 39, P48-54, May 01, 2022
33. A single-operator experience using EchoLaser SoracteLite™ for focal laser ablation of prostate cancer: One more arrow in the quiver for the conservative management of the disease. *Meneghetti I, Giardino D, Morganti R, Marino V, Menchini Fabris F, Bartoletti R, Pinzi N. Archivio Italiano Di Urologia E Andrologia*, 94(4), 406–412. <https://doi.org/10.4081/aiua.2022.4.406>.
34. Reliable Visualization of the Treatment Effect of Transperineal Focal Laser Ablation in Prostate Cancer Patients by Magnetic Resonance Imaging and Contrast- enhanced Ultrasound Imaging. *Van Riel LAMJG, Van Kollenburg RAA, Freund JE, Almasian M, Jager A, Engelbrecht MRW, Smit RS, Bekers E, Nieuwenhuijzen JA, Van Leeuwen PJ, Van der Poel H, De Reijke TM, Beerlage HP, Oddens JR, De Bruin DM. European Urology Open Science*, Volume 54, August 2023, Pages 72-79.
35. Transperineal laser ablation of the prostate as a treatment for benign prostatic hyperplasia and prostate cancer: The results of a Delphi consensus project. *Cocci A et al. Asian Journal of Urology*, 2023, ISSN 2214-3882, <https://doi.org/10.1016/j.ajur.2023.07.001>.
36. Transperineal laser ablation (TPLA) with ultrasound/MRI fusion guidance in the treatment of localized radiotherapy-resistant prostate cancer. *Manenti G, Nezzo M, Ryan CP, Fraioli FR, Carreri B, Gigliotti PE, et al. BJR Open* (2023) 10.1259/bjro.20230042.
37. Transperineal Laser Ablation (TPLA) Treatment of Focal Low–Intermediate Risk Prostate Cancer. *Manenti G, Perretta T, Nezzo M, Fraioli FR, Carreri B, Gigliotti PE, Micillo A, Malizia A, Di Giovanni D, Ryan CP, et al. Cancers*. 2024; 16(7):1404. <https://doi.org/10.3390/cancers16071404>
38. Transperineal Laser Ablation for Focal Therapy of Localized Prostate Cancer: 12-Month Follow-up Outcomes from a Single Prospective Cohort Study. *Iacovelli V, Carilli M, Bertolo R, Forte V, Vittori M, Filippi B, Di Giovanni G, Cipriani C, Petta F, Maiorino F, et al. Cancers*. 2024; 16(15):2620. <https://doi.org/10.3390/cancers16152620>
39. MRI-directed Micro-US-guided Transperineal Focal Laser Ablation for Localized Prostate Cancer: A 1-year Follow-up Study. *Cornud F, de Bie K, van Riel L, Lefèvre A, Camparo P, Galiano M. Radiology*. 2024 Dec;313(3):e233371. doi: 10.1148/radiol.233371. PMID: 39718499.

EchoLaser® TPLA™ - Kidney Cancer

40. Image-guided laser ablation in the treatment of recurrence of renal tumours: technique and preliminary results. *Ferrari F, Mauri G, Nicosia L, Varano GM, Bonomo G, Orsi F. Eur Radiol Exp*. 2020 Jan 3;4(1):1. doi: 10.1186/s41747-019- 0127-0.
41. CT-guided percutaneous laser ablation of adrenal metastases from kidney cancer. *Oltmanns G. P167 - ECIO 2023 Book of Abstracts. Cardiovasc Intervent Radiol* 46 (Suppl 2), 23–271 (2023). <https://doi.org/10.1007/s00270-023-03414-0>.

42. Image-Guided Ablations in Patients with Recurrent Renal Cell Carcinoma. Aurilio G, Mauri G, Rossi D, Della Vigna P, Bonomo G, Varano GM, Malettini D, Rocca MC, Verri E, Cullurà D, Nolè F and Orsi F. *Journal of Clinical Medicine*. 2023; 12(15):4902. <https://doi.org/10.3390/jcm12154902>.
43. Ultrasound-guided percutaneous laser ablation is safe and effective in the treatment of small renal tumors in patients at increased bleeding risk. Sartori S, Mauri G, Tombesi P, Di Vece F, Bianchi L, Pacella CM.
44. guided laser ablation in the treatment of recurrence of renal tumours: technique and preliminary results. Ferrari F, Mauri G, Nicosia L, Varano GM, Bonomo G, Orsi F. *Eur Radiol Exp*. 2020 Jan 3;4(1):1.