

Published Clinical Data

May 2020 Update

Papers			
Year ↓	1 st Author	Title	Published In
2020	Cornud	MRI-directed high-frequency (29MHz) TRUS-guided biopsies: initial results of a single-center study	European Radiology
2020	Socarras	Prostate Mapping for cancer diagnosis: The Madrid protocol. Transperineal prostate biopsies combining using mpMRI fusion and micro-ultrasound guided biopsies	Journal of Urology
2020	Claros	Comparison of initial experience with transrectal MRI cognitive guided micro-ultrasound biopsies versus established transperineal robotic ultrasound-magnetic resonance imaging fusion biopsies for prostate cancer	Journal of Urology
2020	Shao	Improving PCa Classification Performance by Using Three-Player Minimax Game	IEEE Trans. Med. Imag.
2019	Zhang	Micro-Ultrasound Imaging for Accuracy of Diagnosis in Clinically Significant Prostate Cancer: A Meta-Analysis	Frontiers in Oncology
2019	Luger	Does 29Mhz Micro-Ultrasound Provide Uniform Diagnostic Accuracy Within and Beyond the Peripheral Zone?	Annals of Urology & Nephrology
2019	Abouassaly	Impact of Using 29MHz High Resolution Micro-Ultrasound in Real-Time Targeting of Trans-Rectal Prostate Biopsies: Initial Experience	World Journal of Urology
2019	Stanton	Evaluation of the 29 MHz Micro-Ultrasound Imaging for Prostate Cancer Diagnosis and Treatment	Annals of Urology & Nephrology
2019	Saita	Assessing the Feasibility and Accuracy of High-resolution Micro-ultrasound Imaging for Bladder Cancer Detection and Staging	European Urology
2018	Ghai	Suspicious Findings on Micro-Ultrasound Imaging and Early Detection of Prostate Cancer	Urology Case Reports
2018	Eure	Comparison of Conventional TRUS, MRI and Micro-Ultrasound for Visualizing Prostate Cancer in an Active Surveillance Population: A Feasibility Study	Canadian Urology Assoc. Journal
2018	Lughezzani	Comparison of the Diagnostic Accuracy of Micro-Ultrasound and Magnetic Resonance Imaging / Ultrasound Fusion Targeted Biopsies for the Diagnosis of Clinically Significant Prostate Cancer	European Urology Oncology
2018	Rohrbach	High-Frequency Quantitative Ultrasound for Imaging Prostate Cancer Using a Novel Micro-Ultrasound Scanner	Ultrasound in Medicine and Biology
2016	Ghai	Assessing cancer risk in novel 29 MHz micro-ultrasound images of the prostate: Creation of the micro-ultrasound protocol for prostate risk identification	J. Urology
2014	Pavlovich	High-resolution transrectal ultrasound: Pilot study of a novel technique for imaging clinically localized prostate cancer	Urologic Oncology

Conference Abstracts

Year ↓	Lead Author	Title	Published In
2019	Chessa	Diagnostic Accuracy of the Novel 29MHz Micro-Ultrasound ExactVu for the detection of Clinically Significant Prostate Cancer	American Urology Association
2019	Claros	Comparison of Cancer Detection Rates in Micro-Ultrasound Biopsies Versus Robotic Ultrasound-Magnetic Resonance Imaging Fusion Biopsies for Prostate Cancer	American Urology Association
2019	Pavlovich	A Multi-Institutional Randomized Controlled Trial Comparing Novel First-Generation High-Resolution Micro-Ultrasound with Conventional Ultrasound	American Urology Association
2019	Klotz	High Resolution 29 MHz Micro-Ultrasound in the Diagnosis of Primary and Recurrent Prostate Cancer	American Urology Association
2019	Lughezzani	Assessment of the Diagnostic Accuracy of Micro-ultrasound for the Detection of Clinically Significant Prostate Cancer: Results from a Single-institutional Preliminary Experience	American Urology Association
2019	Maffei	Diagnostic Accuracy of Targeted Prostate Biopsies: Results from a Prospective Trial Comparing Micro-Ultrasound with Multi-Parametric MRI	American Urology Association
2019	Lughezzani	Assessment of the Diagnostic Accuracy of Micro-ultrasound for the Detection of Clinically Significant Prostate Cancer: Results from a Single-institutional Preliminary Experience	European Association of Urology
2019	Pavlovich	A Multi-Institutional Randomized Controlled Trial Comparing Novel First-Generation High-Resolution Micro-Ultrasound with Conventional Ultrasound	European Association of Urology
2019	Maffei	Diagnostic Accuracy of Targeted Prostate Biopsies: Results from a Prospective Trial Comparing Micro-Ultrasound with Multi-Parametric MRI	European Association of Urology
2019	Saita	Assessing the Feasibility and Accuracy of High-Resolution Micro-Ultrasound Imaging for Bladder Cancer Detection and Staging	European Association of Urology
2019	Staerman	Can High Resolution Micro-Ultrasound Detect Extra-Prostatic Extension? A New Sonographic Feature	Focal Therapy Symposium
2019	Abouassaly	Initial Results Evaluating the Performance of Targeted Prostate Biopsy using MRI Fusion and 29 MHz High Resolution Micro-Ultrasound	Focal Therapy Symposium
2019	Lughezzani	Comparison of Micro-Ultrasound and Multiparametric MRI Imaging for Prostate Cancer: An International Meta-Analysis	Focal Therapy Symposium
2019	Salomon	Risk Stratification for Equivocal PI-RADS 3 Results: Can Micro-Ultrasound Help Determine Which Men to Biopsy?	Focal Therapy Symposium
2019	Abouassaly	Improving Standard Trans-Rectal Prostate Biopsy Results Using High Resolution Micro-Ultrasound for Real-Time Targeting of Suspicious Areas	Focal Therapy Symposium
2019	Staerman	Initial Clinical Experience with 29 MHz Micro-Ultrasound for Real-Time Targeted Prostate Biopsies	Focal Therapy Symposium
2019	Wodlinger	Accuracy of Micro-Ultrasound for Identification of Prostate Cancer: A Comparative Study with Whole Mount Pathology	Focal Therapy Symposium
2019	Lopez	Added Value of MRI and High Resolution Micro-Ultrasound Image-Based Targeting During Prostate Biopsy on Suspicion of Prostate Cancer	Focal Therapy Symposium
2019	Perez	Initial Results Comparing High Resolution Micro-Ultrasound with Multiparametric Magnetic Resonance Imaging for Prostate Cancer Detection	Focal Therapy Symposium

2019	Pavlovich	A multi-institutional randomized controlled trial comparing novel first generation high-resolution micro-ultrasound with conventional frequency ultrasound for transrectal prostate biopsy	Focal Therapy Symposium
2019	Luger	A Prospective Validation of the Diagnostic Accuracy of PRI-MUS for Prostate Cancer Risk Identification	Focal Therapy Symposium
2018	Lughezzani	Assessment of the Diagnostic Accuracy of Micro-ultrasound for the Detection of Clinically Significant Prostate Cancer: Results from a Single-institutional Preliminary Experience	American Urology Association
2018	Rohrbach	Machine learning-based lesion detection via quantitative high frequency ultrasound for prostate-cancer imaging using a novel high resolution micro-ultrasound platform	American Urology Association
2018	Lughezzani	Comparison of Micro-Ultrasound and mpMRI for Prostate Cancer: An International Meta-Analysis	EAU Section of Urological Imaging
2018	Wodlinger	Accuracy of Micro-Ultrasound for Identification of Prostate Cancer: A Comparative Study with Whole Mount Pathology	EAU Section of Urological Imaging
2018	Abouassaly	Improving Standard Transrectal Prostate Biopsy Results Using High-Resolution Micro-Ultrasound for Real-Time Targeting of Suspicious Areas	EAU Section of Urological Imaging
2018	Luger	A Prospective Validation of the Diagnostic Accuracy of PRI-MUST TM for Prostate Cancer Risk Identification	EAU Section of Urological Imaging
2018	Abouassaly	Initial Results Comparing High Resolution Micro-Ultrasound with mpMRI for Prostate Cancer Detection	EAU Section of Urological Imaging
2018	Staerman	Can High-Resolution Micro-Ultrasound Detect Extra-Prostatic Extension? A New Sonographic Feature	EAU Section of Urological Imaging
2018	Salomon	How to manage PI-RADS 3 lesions: Can enhanced TRUS solve the problem?	EAU Section of Urological Imaging
2018	Staerman	Initial Results Comparing High Resolution Micro-Ultrasound with mpMRI for Prostate Cancer Detection	European Multidisciplinary Congress on Urological Cancers
2018	Lughezzani	Where Do Micro-Ultrasound and MRI Find Prostate Cancer? A Target Localization Study	European Multidisciplinary Congress on Urological Cancers
2018	Lughezzani	Diagnostic Accuracy of Targeted Prostate Biopsies: A Prospective Trial Comparing Micro-Ultrasound with mpMRI	European Multidisciplinary Congress on Urological Cancers
2018	Astobieta	Initial Results Comparing 29 MHz Micro-Ultrasound with Multi-Parametric MRI for Targeted Prostate Biopsy: Relative Sensitivity to Clinically Significant PCa	European Association of Urology
2018	Lughezzani	Comparison Between The Diagnostic Accuracy Of Micro-ultrasound Vs. mpMRI In The Detection Of Prostate Cancer: Preliminary Results From A Single-institutional Ongoing Prospective Trial	European Association of Urology

2018	Hyndman	Prospective validation of PRI-MUST™, the Prostate Risk Identification using Micro-Ultrasound protocol for real-time detection of prostate cancer using high-resolution micro-ultrasound imaging	American Urology Association
2017	Astobieta	Initial Results Comparing 29 MHz Micro-Ultrasound with Multi-Parametric MRI for Targeted Prostate Biopsy: Relative Sensitivity to Clinically Significant PCa	EAU Section of Urological Imaging
2017	Lin	Correlating Micro-Ultrasound Sonographic Features and PRI-MUST™ Ranking of Prostate Cancer Lesions with Underlying Histopathology	EAU Section of Urological Imaging
2017	Astobieta	Feasibility Study for Avoiding or Postponing Biopsy using Improved Imaging: Negative Predictive Value of Micro-Ultrasound for Subjects with Low PSAD	EAU Section of Urological Imaging
2017	Eure	Comparison of Conventional TRUS, MRI and Micro-Ultrasound for Visualizing Prostate Cancer in an Active Surveillance Population: A Feasibility Study	EAU Section of Urological Imaging
2016	Wodlinger	Micro-ultrasound of the prostate, PRI-MUS protocol guidance along with clinical variables: Combined approach for reducing unnecessary biopsies	EAU Section of Urological Imaging
2016	Rohrbach	Promising initial results of semi-automated quantitative-ultrasound-based algorithm for assessment of prostate cancer using a novel 29MHz micro-ultrasound	EAU Section of Urological Imaging
2016	Wodlinger	Using patient screening data and machine learning algorithms to improve PRI-MUS accuracy with micro-ultrasound based prostate biopsies	EAU Section of Urological Imaging
2015	Ghai	Assessing cancer risk in 29 MHz micro-ultrasound images of the prostate	EAU Section of Urological Imaging