

## Original Article

# THE PLACE OF MODERN TECHNOLOGY IN THE ULTRASONOGRAPHIC EVALUATION OF THE PROSTATE AND SEMINAL VESICLES

Victor Cauni<sup>1</sup>, Cristian Persu<sup>2</sup>

- 1) Urologist, senior researcher, PhD, "Sf. Pantelimon" Medical Center, Department of Urology  
2) Urologist, PhD, "Sf. Pantelimon" Medical Center, Department of Urology

## Abstract

*Ultrasonography rapidly became an indispensable evaluation tool for many medical specialties, replacing several other procedures in the first line of diagnosis. As time passes by, ultrasonography itself develops continuously, with many new, sophisticated or just spectacular features becoming available from the industry, and requiring validation by medical professionals and the scientific community.*

*Tridimensional ultrasonography, the Doppler and power angio modules, as well as ultrasonographic contrast agents are not the newest on the market, but the latest to be unanimously recognized as a valuable addition to the technical armamentarium of the physician.*

*This paper analyzes the main benefits of the use of these modules for the evaluation of the internal genital organs of the male, as well as the limits of each technique.*

*We conclude that new ultrasonographic methods provide a lot of useful information, making them able to replace more invasive and expensive technologies, but the operator needs to be aware of all possible limits and artifacts that may occur.*

**Keywords:** *ultrasonography, contrast agents, prostate, seminal vesicles*

## Rezumat

*Ultrasonografia poate reprezenta o metodă de evaluare rapidă pentru anumite specialități, plasându-se alături de alte proceduri, în prima linie de diagnostic. Pe parcurs, ecografia s-a dezvoltat continuu, concomitent cu inovațiile tehnice industriale, ce au fost primite cu succes de comunitățile medicale și științifice.*

*Ultrasonografia tridimensională, modulele Doppler sau power angio sau agenții de contrast pentru ecografie sunt costisitori, dar trebuie să existe ca metode adiționale în arsenalul de investigații al oricărui medic.*

*Acest studiu analizează beneficiile utilizării acestor module pentru examinarea organelor genitale interne ale bărbatului și limitele acestor metode.*

---

<sup>1</sup> Address for correspondence: Dr. Victor Cauni, victorcauni@yahoo.com