

S.I.U. ABSTRACT ON LINE Riccione -2013

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**ANTEPRIMA: controllare bene eventuali simboli e caratteri speciali.
NON INVIARE NULLA ALLA SEGRETERIA!**

Tipologia Abstract

Poster

Argomento

Cancro della Prostata: Ricerca di Base

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PSA Velocity Per Prostate Volume: A Tool for Prostate Cancer Diagnosis

Relatore

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Presentazione in Inglese

Si

Scopo del lavoro

PSA density and PSA velocity (PSAV) represent different ways to use PSA test which increase specificity for prostate cancer and aggressive disease. A recent Asian study suggest combining these concepts into a new measurement: PSA velocity per prostate volume. The objective of our study was to validate the utility of PSAV per prostate volume in an external population.

Materiali e metodi

From 2001 to 2012, 756 European men underwent 12-core prostate biopsy with at least 2 PSA measurements within 18 months prior to biopsy. We compared the diagnostic performance of PSA velocity (PSAV), PSA density and PSAV per prostate volume (PSAV/prostate volume) to predict prostate biopsy results.

Risultati

In the study population, the median age was 66 years and median PSA 6.87 prior to biopsy. The median value of PSAV per Prostate Volume was 0.0084 (range -0.53 - 0.16). A total of 245 cancers (31.8%) were detected. Men with prostate cancer had significant higher PSAV, PSAD and PSAV per prostate volume. On the ROC curve, the area under the curves (AUC) were 0.695 for PSAD, 0.652 for PSAV and 0.711 for PSAV per prostate volume.

Discussione

At a value of 0.005 for PSAV per prostate volume, the sensitivity was 90.2 %, specificity was 30.7%, positive likelihood ratio was 1.3 and negative likelihood ratio was 0.32.

Conclusioni

The results of the present study suggest that PSAV per prostate volume may be useful for prostate cancer diagnosis. At the ROC analyses, the AUC of PSAV per prostate volume was better than that of PSA and PSA velocity.

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No

Conflitto d'Interesse

No