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PII: S0090-4295(16)30914-1
DOI: http://dx.doi.org/doi: 10.1016/j.urology.2016.11.038
Reference: URL 20167

To appear in: *Urology*

Received date: 5-4-2016
Accepted date: 22-11-2016

Please cite this article as: Marco Oderda, Gabriele Cozzi, Lorenzo Daniele, Anna Sapino, Stefania Munegato, Giuseppe Renne, Ottavio De Cobelli, Paolo Gontero, CCP-Score Might Improve the Current Risk Assessment in Newly Diagnosed Prostate Cancer Patients, *Urology* (2016), http://dx.doi.org/doi: 10.1016/j.urology.2016.11.038.

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TITLE PAGE

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WORD COUNT: text 2113; abstract 239.

ABSTRACT

OBJECTIVE

To assess whether cell-cycle progression (CCP)-score (Prolaris) can improve the current risk assessment in newly diagnosed PCa patients. CCP-score is a well validated prognostic assay predictive of PCa death, biochemical recurrence (BCR) and progression.

METHODS

We evaluated CCP-score at biopsy in 52 patients newly diagnosed with PCa who underwent radical prostatectomy. CCP-score was calculated as average RNA expression of 31 CCP genes, normalized to 15 housekeeping genes. The predictive ability of CCP-score was assessed in univariate and multivariate analyses, and compared to that of Ki-67 levels and traditional clinical variables including PSA, Gleason score, stage, and percentage of positive cores at biopsy.

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