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(54) Title: TRIAGING OF PATIENTS HAVING ASYMPTOMATIC HEMATURIA USING GENOTYPIC AND PHENOTYPIC BIOMARKERS

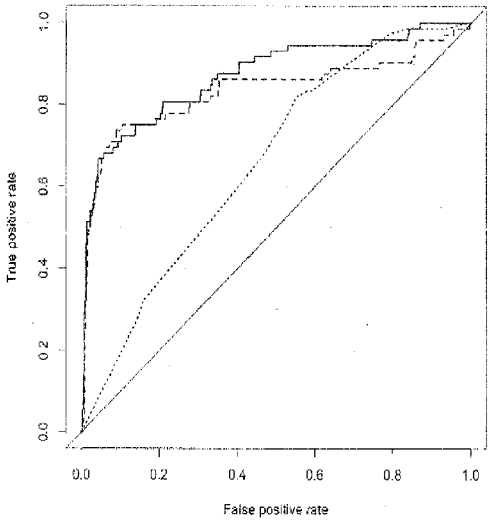


FIG. 21

(57) Abstract: New methods for identifying patents with hematuria who are at low risk of having urothelial cancer (UC) include combining selected phendtypic variables with levels of genotypic expression into a new metric, the "G+P INDEX." The G+P INDEX combines age, sex, smoking history, presence of hematuria, and frequency of hematuria with genotypic expression of the genetic markers, MDK, CDC2, HOXA13, IGFBP5, and optionally IL8Rb, then determining of the G+P INDEX value obtained for a patient is within one of three groups, either: (1) at High Risk of UC, (2) at Risk of UC, or (3) at Low Risk of UC.

WO 2015/077485 A1

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