## IDENTIFICATION OF PROTEINS FROM THE URINE OF PATIENTS WITH RENAL TUMORS BY MALDI-TOF-TOF

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Renal tumors represent 3% of the adults malignancy in humans. Renal tumors are a devastating disease. Surgery is the only treatment that is applied since chemotherapy and radiotherapy did not improve the survival rate. Therefore, we observed the need to investigate the secretome of urine of the patients with renal tumors in order to perhaps create new specific targets directed drugs, and to create methods for early diagnose and/or follow-up of the disease. The techniques of preparation, quantification and analysis of proteins were standardized, collecting urines of the control group composed of 5 men and 5 women. The proteins were concentrated by centrifugation and dialysed. After this, the pool was quantified by Kit U/CSF protein (Roche). Isoeletric focusing and 2D SDS-PAGE gel were performed. The gel was stained by Coomanssie and 20 spots 8 peptides were identified by Maldi-Tof-Tof and Mascot Program analysis. We are now analyzing a pool of urines of 10 patients (5 men and 5 women) compared to controls, using a 2D SDS-PAGE gel, so far 42 differentiated expressed proteins were identified.