

Nature Reviews Urology 10, 3 (2013); published online 27 November 2012;
 doi:10.1038/nrurol.2012.226;
 doi:10.1038/nrurol.2012.227;
 doi:10.1038/nrurol.2012.228;
 doi:10.1038/nrurol.2012.229

IN BRIEF

PAIN

Zileuton protects against torsion injury

Zileuton, a 5-lipoxygenase inhibitor, can reduce torsion–detorsion testicular injury. Testis torsion was carried out in anaesthetized rats, which were treated with either 3 mg/kg zileuton, vehicle or 10 mg/kg montelukast, a leukotriene antagonist. Histopathological injury was reduced in both treatment groups, though only reached significance in the zileuton-treated cohort.

Original article Isikdemir, F. *et al.* Effects of montelukast and zileuton on testicular torsion/detorsion injury in rats. *Andrologia* doi:10.1111/and.12042

KIDNEY CANCER

Preoperative CRP does not improve predictive accuracy

C-reactive protein (CRP) is a reliable prognostic biomarker for renal cell carcinoma (RCC); however, threshold levels for risk stratification have not been identified. 327 men with RCC were retrospectively analysed and CRP thresholds were determined and correlated with clinicopathological characteristics. An optimal level of 0.25 mg/dl CRP could stratify patients at risk of cancer-specific mortality, but did not improve predictive accuracy over the traditional parameters of TNM stage, grading and Kamofsky index.

Original article Bedke, J. *et al.* Inflammatory prognostic markers in clear cell renal cell carcinoma—preoperative C-reactive protein does not improve predictive accuracy. *BJU Int.* doi:10.1111/j.1464-410X.2012.11642.x

KIDNEY CANCER

Procurement conditions affect gene expression in RCC

Ischaemia is known to affect gene expression in both normal and malignant tissue, but this effect has not been studied in renal cell carcinoma (RCC). 10 tumour samples were stored at 4, 22, or 37 °C or frozen for 5, 30, 60, 120 and 240 min; thereafter, RNA integrity and gene expression were assessed. Longer ischaemia time and warmer environment significantly altered expression of >4,000 genes. However, RNA was also shown to remain intact for up to 4 h after resection regardless of the conditions. These results could have important implications for tumour profiling, where procurement conditions can vary.

Original article Liu, N. W. *et al.* Impact of ischemia and procurement conditions on gene expression in renal cell carcinoma. *Clin. Cancer Res.* doi:10.1158/1078-0432.CCR-12-2606

INFECTION

Sexual risk behaviours in youths with perinatal HIV

Young people with perinatal HIV infection (PHIV+) engage in sexual risk behaviours that place their partners at high risk of infection, according to newly published data. PHIV+ youths aged 10–18 years completed a self interview. 28% of responders reported intercourse, 62% of whom reported having unprotected sex. Nonadherence to antiretroviral (ARV) treatment was associated with initiation of sexual activity and many of the participants were shown to be resistant to ARVs. Effective measures to educate PHIV+ young people and improve treatment adherence and safe sex practices are urgently needed.

Original article Tassiopoulos, K. *et al.* Sexual risk behavior among youth with perinatal HIV infection in the United States: predictors and implications for intervention development. *Clin. Infect. Dis.* doi:10.1093/cid/cis816