



ELSEVIER

ABSTRACT

## Take home messages, BAUS Annual Meeting 2008<sup>☆</sup>

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All papers and posters cited in this article are numbered according to their number in the BAUS Abstract book: *BJU International*, 101, Suppl. 5, 2008.

This year's clinical papers were of a particularly surgical orientation, with nothing on alpha blockers, PDE5 inhibitors or LHRH analogues. The high quality basic science research originated from academic units and overall less abstracts were submitted (465) as compared to last year (558). The politics within urology focused on training issues.

### Uro-oncology

Plenaries—"robots are here to stay". That was the message of an outstanding BJU International guest lecture delivered by Professor Joseph Smith of Vanderbilt University. He presented his experience of robotic prostatectomy ( $n \approx 4000$ ) and compared it with his historical data of a similar number of open retropubic prostatectomies, as well as the world literature. He concluded that whilst he believes robots are here to stay, the only areas where data show significant advantage are reduced blood loss, shorter duration of catheterisation, and a reduced positive margin rate. This was a compellingly honest presentation from a world leader in radical prostatectomy.

- P09 This poster from Cambridge reviewed 817 repeat prostatic biopsies performed between 1999 and 2006 to develop a predictive nomogram to guide future decisions on when to perform repeat biopsies. The most accurate model combined age, PSA, PSA velocity, free:total PSA ratio, prostate volume and clinical stage. Interestingly HGPIN did not improve prediction.
- 045 This reported early data from the ODMIT-C study, a multicentre prospective randomised trial of a single post-operative intravesical instillation of mitomycin-C following nephroureterectomy for upper tract TCC. At one year, the mitomycin-C group had a significantly reduced rate of bladder TCC as compared to control; the number needed to treat to prevent one recurrence was ten.
- 054 One hundred consecutive radical prostatectomy specimens were examined to determine if there is an argument for focal therapy of prostate cancer. The authors argue that in 76% of patients in this series, ablation of the index tumour would have been adequate treatment of their disease. The majority of non-index tumours were  $<0.5$  ml and Gleason score  $\leq 6$ .
- 109 This paper analysed 7 years of HES data to evaluate 30-day mortality, complication and reoperation rates for cystectomy in high, medium and low volume centres, after adjustment for case-mix. Mortality rates were lower in higher volume centres and the difference appeared to relate to higher volume surgeons, but complications and reoperation rates were

<sup>☆</sup> Based on the Best of BAUS Session, Presented by John Anderson, Honorary Secretary.  
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**Table 1** BAUS laparoscopic nephrectomy audit (098)

Year	2002–2003	2006–2007
Total cases	380	941
Cases/surgeon (median)	6	16
Renal cell carcinoma (%)	36	51
Operating time (median, in minutes)	150	150
Conversions (%)	14	6
Transfusion rate (%)	11	6
Mortality (%)	1.6	1.1
Morbidity (%)	23	17

conversely higher. The latter appear to be significantly influenced by institutional factors such as junior staff numbers and nurse to bed ratios rather than to the surgeons themselves. This is really work in progress.

## Endourology

Messages from the plenaries:

- Do not stent unless you have to, because it is usually unnecessary and patients hate them.
- Ureteroscopic stone free rates continue to improve.
- Medical Expulsive Therapy (MET) using  $\alpha$ -blockers is now supported by 3 meta-analyses, although there is still a need for a randomised controlled trial (RCT).

P73 This described a retrospective review of 22 asymptomatic adult patients with PUJ obstruction managed conservatively. Laparoscopic pyeloplasty was recommended if there was a >10% reduction in relative renal function (RRF) on renographic follow-up or if function of the affected kidney fell below 40%. Only 3 patients underwent treatment during a median follow-up of 33 months and the mean RRF at 33 months was 48.3% as compared to 49.9% at baseline.

098 This was an update of the BAUS laparoscopic nephrectomy database which confirms more cases are being recorded, the consultants entering patients are performing more cases, and morbidity, transfusion rates and conversion rates have fallen (see Table 1).

## Reconstruction and female urology

P28 This was an RCT of TVT, Pelvicol™ and autologous fascial slings in female stress incontinence. It is important because the optimal

material for midurethral slings is uncertain. The Pelvicol™ arm was closed at 6 months due to an unacceptably high reoperation rate. There was no difference between the TVT and autologous fascial slings in terms of outcome at 12 months.

## Infection

P82 This basic science poster explored the expression of epithelial antimicrobial peptides (AMPs) in different parts of the human urinary tract.  $\alpha$ -human-defensin 5 was differentially expressed between the upper and lower urinary tract and deserves further investigation as a potential component of the innate immune system in preventing UTI.

P62 This poster presented an audit of compliance with guidelines on the management of genital infection or lower urinary tract infection in men <35 years. The audit showed poor compliance with the guidelines, inadequate investigation and treatment, and inadequate sexual contact tracing/referral to GUM departments for contact tracing.

## Andrology

The main highlights in andrology came from two excellent plenaries.

Peyronie's disease plenary

- Plaque excision and venous grafting is becoming less popular.
- The best treatment for a severe bend and erectile dysfunction in a patient with vascular risk factors is a penile implant.
- Stretched penile length is a good indicator of final length after surgery for Peyronie's disease.
- Circumcision is not routinely necessary in Peyronie's disease surgery.

Penile cancer plenary

- Dynamic sentinel lymph node biopsy is now well-established in the management of the loco-regional nodes.
- Centralisation of care appears to have improved the overall management of this disease.

## Basic science oncology

P79, P87 These two posters, from different institutions, looked at the characteristics of putative stem cells in prostate cancer

(P79) and in renal cell carcinoma (P87). In both cases, previously suggested cancer stem cell lines proved to be less promising than originally hoped. The search needs to continue for stem cells suitable for future research into these common cancers.

P85 This important study from Cambridge showed that in invasive urothelial cancer

cell lines, Flotillin 2 is up-regulated as compared to its expression in less aggressive urothelial cancer cell lines. Flotillin 2 is a lipid raft associated protein involved in signal transduction and cell spreading, and its greater expression in invasive disease suggests it may be important in pro-invasive signaling.

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