### Defining a national reference level for intra-operative radiation exposure in urological procedures: FLASH, a retrospective multi-centre UK study

By: Simson N.¹, Stonier T.W.², Suleyman N.³, Peacock J.⁴, Salib M.⁵, Connor M.⁶, Jones O.⁷, Schuster-Bruce J.⁷, English L.⁴, Horn C.⁸, Bottrell O.⁶, Hamami H.⁹, Lovegrove C.¹⁰, Bagley J.¹¹, Bareh A.¹², Jaikaransingh D.¹², Mohamed N.¹², Ukwu U.¹³, Shanmugathas N.¹⁴, Hendry J.¹⁵, Qteishat A.¹⁶, Bycroft J.⁷, Wiseman O.¹³, Aboumarzouk O.¹⁷

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#### Aims and objectives of this presentation

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### Split renal function assessment by mathematical analysis of 3D rendering of CT scans

By: Proskura A., Alyaev Y.G., Khokhlachev S.B., Shpot E.V., Fiev D.N., Sorokin N.I. Sechenov University, Institute for Urology and Reproductive Health, Moscow, Russia

#### Aims and objectives of this presentation

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Comparison of computed tomography and contrast enhanced ultrasound for the management of complex renal cysts: A single-center experience

By: Angelini L. 1, Gioulis E. 2, Di Cristofano F. 1, Napoli R. 1, Petrucci F. 1, Salemi M. 3, Piccoli G. 2, Valerio S. 1
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Aims and objectives of this presentation

Impact of computerized tomography for upper tract imaging and potential role of renal ultrasound in patients presenting with asymptomatic microscopic hematuria

By: Fankhauser C. 1, Waisbrod S. 1, Fierz C. 1, Kranzbühler B. 1, Wettstein M.S. 1, Eberli D. 1, Sulser T. 1, Mostafid H. 2, Hermanns T. 1
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Aims and objectives of this presentation

The first real time imaging of hemorrhage after bladder overdistention by wireless capsule endoscope - hematuria after release from acute urinary retention

By: Mizuno H. 1, Yamamoto T. 2, Yoko Y. 1, Matsukawa Y. 2, Kamihira O. 1, Gotoh M. 2
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Aims and objectives of this presentation

Deep learning with a convolutional neural network algorithm for automated detection of urinary tract stones using abdominal X-ray image

By: Ishioka J. 1, Kobayashi M. 2, Fujiwara M. 3, Kawamura N. 3, Okuno T. 3, Fukuda Y. 2, Kohno T. 2, Kawano K. 2, Morimoto S. 2, Uehara S. 1, Yasuda Y. 1, Kijima T. 1, Yoshida S. 1, Yokoyama M. 1, Matsuoka Y. 1, Saito K. 1, Saiki R. 4, Kumazawa I. 5, Fujiy Y. 1
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Aims and objectives of this presentation

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The efficacy of CT scan scout film in determining the urinary stones biochemical composition

By: Levi O. ¹, Elias S. ², Bass R. ¹, Sidi A.A. ¹, Tsivian A. ¹, Tavdy ¹
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Aims and objectives of this presentation

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The use of dual energy computed tomograph in the identification of urinary stones in urolithiasis

By: Nazarov T., Komyakov B.K., Rychkov I.V., Lebedev D.G., Tursunov A.I., Trubnikova K.E., Lepekhina A.
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Aims and objectives of this presentation

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The role of bladder wall thickness in the evaluation of detrusor underactivity: Development of a clinical nomogram

By: De Nunzio C. ¹, Lombardo R. ¹, Carter S. ², Tema G. ¹, Nacchia A. ¹, Cancrini F. ¹, Sica A. ¹, Vicentini C. ³, Tubaro A. ¹
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Aims and objectives of this presentation

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Predicting vital retroperitoneal residual tumors of metastatic testicular tumor patients after chemotherapy using radiomics

By: Nestler T. ¹, Baeßler B. ², Pinto Dos Santos D. ², Paffenholz P. ¹, Pfister D. ¹, Maintz D. ², Heidenreich A. ¹
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Aims and objectives of this presentation

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Leydig cell ultrasound features: A useful tool for a proper preoperative counselling
**Aims and objectives of this presentation**

**Clinical applications of magnetic resonance imaging in urethral strictures: Preliminary report with reference to 3D-volume rendering and 3D-printed models**

By: Frankiewicz M.¹, Markiet K.², Belka M.³, Kozak O.², Krukowski J.¹, Szurowska E.², Matuszewski M.¹

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**Aims and objectives of this presentation**

**Non-invasive evaluation of male urethra’s stenosis: The cine-urethro RM. Preliminary reports**

By: Corongiu E.¹, Danti M.², Grande P.³, Squillacciotti S.¹, Pagliarella G.¹, Di Santo A.¹, Liberati E.¹, Forte F.¹

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**Aims and objectives of this presentation**

**Summary**

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