

## EUROSON 2009 POSTER EXHIBITION

**Pentland Foyer- Poster numbers 1- 56**  
**Cromdale Hall- Poster numbers 57- 114**

### Genito-Urinary

1. Evaluation of pulsatility index and resistive index as predictors of long term renal allograft dysfunction. *McArthur C, Geddes C, Baxter GM*  
*Western Infirmary, Glasgow*
2. The role of ultrasound in pyelonephritis. *Wilkinson CTL, Rowbotham E, Nicholls M*  
*York Hospitals NHS Foundation Trust*
3. Extratesticular masses - scrotal pearls and pitfalls. *Wilkinson CTL, Rowbotham E, Biyani S, Gill K*  
*Mid Yorkshire Hospitals NHS Trust*
4. Color Doppler sonography of intestinal wall in patients with Crohn disease compared with healthy subjects preliminary results of prospective randomized trial. *Illomei G<sup>1</sup>, Cossu F<sup>1</sup>, Esu F<sup>2</sup>, Calo PG<sup>2</sup>*  
*<sup>1</sup>Studio Radiologico del Corso, <sup>2</sup>Department of Surgery and Odontostomatology University of Cagliari*
5. Imaging the testis using real-time tissue elastography - seeing what you feel?: A pictorial review. *Shah A, Rajayogeswaran B, Sellars ME, Sidhu PS*  
*King's College Hospital, London*
6. Renal cell carcinoma (RCC) and other renal tumors – enhancement patterns with contrast-enhanced ultrasound (CEUS) *Andrzej L<sup>1</sup>, Maciej Jędrzejczyk<sup>2</sup>, Wiesław Jakubowski<sup>2</sup>, Wojciech Pypno<sup>3</sup>, Andrzej Kidawa<sup>1</sup>, Anna Lewicka<sup>4</sup>*  
*<sup>1</sup>Memorial Lord's Transfiguration Hospital, Warsaw, Poland, <sup>2</sup>Department of Diagnostic Imaging, Second Faculty of Medicine, Medical University of Warsaw, Poland, <sup>3</sup>Urology Department, Postgraduate Medical Academy, Warsaw, Poland, <sup>4</sup> Department and Clinic of Obstetrics, Gynecology and Oncology, Medical University of Warsaw, Poland*
7. Quantitative evaluation of chronic renal dysfunction: correlative analysis between contrast-enhanced ultrasonography and 99mTc-DTPA renography. *Wang WWP<sup>1</sup>, Cao CJY, Fan FPL, Lin LXY<sup>1</sup>, Ding DH, Wang WY*  
*<sup>1</sup>Zhongshan Hospital, Fudan University, <sup>2</sup>Huashan Hospital, Fudan University*
8. Triplex ultrasound examination in acute pyelonephritis during pregnancy. *Djerassi Regina RJD<sup>1</sup>, Ljubomirova M<sup>1</sup>, Kovacheva R<sup>2</sup>, Savova S<sup>3</sup>, Bogov B<sup>1</sup>, Stojkova V<sup>4</sup>, Kostova D<sup>2</sup>, Iliev D<sup>5</sup>*  
*<sup>1</sup>University hospital "Alexandrovska", <sup>2</sup>R.K.Maternity hospital i§St. Sofia, <sup>3</sup>S.S.Maternity hospital i§St. Sofia, <sup>4</sup>V.St 3University Maternity Hospital i§Majchin domj, <sup>5</sup> D.II.Maternity hospital i§St. Sofia*

- 9.** Can contrast enhanced ultrasound of the scrotum be used as a problem solving tool? A pictorial review. *Lung PFC, Sellars ME, Sidhu PS*  
*King's College Hospital, London*
- 10.** Is CEUS useful for the differentiation between low and high grade bladder carcinoma. *Cantisani V, D'Ambrosio U, F. Malpassini, Guerrisi I, Marcantonio A, Di Segni M, Drudi FM*  
*Policlinico Umberto I, Univ. Sapienza, Rome*
- 11.** Our experience with PEIT of parathyroid gland in dialyzed patients. *Tomic-Brzac H<sup>1</sup>, Pavlovic D<sup>2</sup>*  
*<sup>1</sup>University Hospital Zagreb, <sup>2</sup>Sestre Milosrdnice University Hospital*
- 12.** ARFI-based tissue elasticity quantification in comparison to histology for the diagnosis of renal transplant fibrosis. *Stock KF<sup>1</sup>, Klein BS<sup>1</sup>, Vo Cong M<sup>1</sup>, Kuchle C<sup>1</sup>, Büttner M<sup>2</sup>, Schuster T<sup>3</sup>, Matevossian E<sup>4</sup>, Heemann U<sup>1</sup>*  
*<sup>1</sup>Abteilung für Nephrologie, II. Medizinische Klinik, Klinikum rechts der Isar der TU München, <sup>2</sup>Pathologisches Institut der Universität Erlangen, <sup>3</sup>Institut für Medizinische Statistik und Epidemiologie Klinikum rechts der Isar der TU München, <sup>4</sup>Chirurgische Klinik und Poliklinik, Klinikum rechts der Isar der TU München*
- 13.** ARFI-based tissue elasticity quantification in kidneys of healthy probands - a feasibility study. *Kleine B, Kumar MJ, Britton A, Bradley L, Hancock H*  
*Holbrooks Health Team*

## Liver

- 14.** Quantitative evaluation of hemodynamic changes in chronic liver diseases using a contrast- enhanced ultrasound dedicated software (QONTRAST) *Abbattista AT, Ridolfi, RF, Ciabattini, CE, Todeschini, TC, Brunelli, BE, Busilacchi, BP*  
*Ospedale Civile Senigallia, Italy*
- 15.** Focal nodular hyperplasia and adenoma of the liver: contrast enhanced ultrasound performance. *Taimr P, RJ de Knegt, RS Dwarkasing, HLA Janssen*  
*Erasmus MC, The Netherlands*
- 16.** The diverse appearances of focal hepatosteatosi: a pictorial review. *Cantin P, Bhatnagar G, Freeman S, Dubbins P*  
*Derriford Hospital, Plymouth)*
- 17.** Ablative margin  $\geq 15$  mm affects local tumor progression rate but does not influence long-term survival of patients with early hepatocellular carcinoma nodules treated with us-guided laser ablation. *Francica G<sup>1</sup>, Bizzarri G<sup>2</sup>, Pacella S<sup>2</sup>, Di Stasio E<sup>3</sup>, Pacella CM<sup>2</sup>*  
*<sup>1</sup> Presidio Ospedaliero Camilliani "S.Maria della Pietà", <sup>2</sup>Ospedale Regina Apostolorum, <sup>3</sup>Università Cattolica del Sacro Cuore, Roma*
- 18.** Real time elastography (Hitachi) versus liver biopsy and transient elastography for the evaluation of liver fibrosis in chronic hepatopathies. *Popescu A, Sporea I, Focsa M, Sirlu R, Danila M, Sandra V, Ruta V, Deleanu A, Bota S*  
*University of Medicine and Pharmacy Timisoara, Romania*
- 19.** Three-dimensional ultrasound in gallbladder disease diagnosis. *Stenberg B, Elliott ST*  
*(Freeman Hospital, Newcastle)*

- 20.** The diagnosis performance of ultrasonic transient elastography for noninvasive assessment of liver fibrosis chronic hepatitis C patients. *Lupsor M, Badea R, Stefanescu H, Sparchez Z, Branda H, Serban A, Maniu A*  
*University of Medicine and Pharmacy, Cluj-Napoca, Romania*
- 21.** The performance of a new ultrasonographic method (acoustic radiation force elastography) for non-invasive assessment of liver fibrosis in chronic Hepatitis C. *Lupsor M, Badea R, Stefanescu H, Maniu A, Branda H, Sparchez Z, Serban A*  
*University of Medicine and Pharmacy, Cluj-Napoca, Romania*
- 22.** CEUS assessment of liver nodules in cirrhotic patients – a 15 months experience in a cost-conscious medical environment. *Socaciu M<sup>1</sup>, Badea R<sup>1</sup>, Pop T<sup>1</sup>, Mosteanu O<sup>1</sup>, Sparchez Z<sup>1</sup>, Guttman T<sup>2</sup>*  
*<sup>1</sup>Medical Clinic III <sup>2</sup>Hiperdia Clinic*
- 23.** Benign hepatic lesions: typical and atypical patterns as evidenced at Sonovue-low-mechanical index US. *Cantisani V, Calliada F, Romanini L, D'onofrio M, Marcantonio M, D'Ambrosio U, Marigliano C, Pepe A, Olive M, Ricci P*  
*Policlinico Umberto I, Univ. Sapienza, Rome*
- 24.** A pictorial review comparing USS and MRI appearances of various liver lesions. *Hersey N, Musson R, Blakeborough A*  
*Sheffield Teaching Hospitals NHS Trust*
- 25.** Could spleen stiffness measured by transient elastography be another noninvasive parameter that assesses the progression of chronic liver disease? *Stefanescu H, Badea R, Lupsor M, Procopet B, Maniu A*  
*Iuliu Hatieganu University of Medicine and Pharmacy*
- 26.** Hepatic metastases from colorectal cancer: prospective evaluation of us, CEUS and enhanced-MRI as compared with intraoperative ultrasound. *Cantisani V, Marcantonio A, Menichini G, Marotta E, Marigliano C, Ricci P (Policlinico Umberto I, Univ. Sapienza, Rome)*
- 27.** Transient elastography as compared to serological tests (APRI, forns index, LOK index, FIB-4) for fibrosis assessment in chronic HCV hepatitis. *Sirli R, Bota S, Martie A, Tudora A, Deleanu A, Sporea I*  
*“Victor Babeş” University of Medicine and Pharmacy, Timișoara, Romania*
- 28.** Comparison of ultrasound with MRI in the diagnosis of fatty infiltration of the liver. *Musson RE, Hersey N, Peck RJ, Blakeborough A*  
*Sheffield Teaching Hospitals NHS Trust*
- 29.** Ultrasound appearances post radiofrequency ablation of hepatic tumours. *Yap WW, Smith J Wah TM, Irving H*  
*Radiology Department, St James University Hospital, Leeds*
- 30.** The role of transient elastography (Fibroscan®) for the evaluation of liver fibrosis in patients with autoimmune hepatitis. *Tudora A, Sporea I, Nicolita D, Ciof, Alexandra Deleanu O, Sirli R, Vernic C*  
*Department of Gastroenterology and Hepatology Timisoara*
- 31.** Usefulness of contrast enhanced ultrasound guided biopsy in liver tumors. *Sparchez Z, Radu P, Zaharia T, Socaciu M, Badea R*  
*3rd Medical Clinic, Romania*

## Breast

- 32.** Role of ultrasound in male breast assessment. *Gilani SA*  
*L.U. de. S University, Lugano, Switzerland*
- 33.** Application of ultrasound technology of microcalcifications visuallization improvement ("Micropure") in cases of breast cancer. *Kapustin VV, Gromov AI, Kabin Yu V*  
*Moscow Oncological Hospital #62*
- 34.** Levels of suspicion in assessment of independent breast ultrasound examination. *Tadin T*  
*Health Centre Rijeka, Croatia*
- 35.** Assessment of efficacy of us-guided 14-gauge core needle biopsy for evaluation of subcentimeter breast masses. *Kim HL, Kim JY, Im SA, Chun HJ*  
*St. Mary's Hospital, The Catholic University of Korea*
- 36.** Identification of liver metatases in patients with breast cancer: diagnostic performance of radiologists with different experience in prospective evaluation of US, CEUS, and MDCT. *Cantisani V, D'Ambrosio U, G Menichini, C Marigliano, Marcantonio A, Marotta E, Drudi FM, Ricci P*  
*Policlinico Umberto I, Univ. Sapienza, Rome*
- 37.** Pictorial representation of common pathologies diagnosed in the one stop breast clinic using sono-elastography and pathological correlation of biopsied lesions. *Baskerville C<sup>1</sup>, Sharma N<sup>2</sup>, Carder P<sup>1</sup>*  
*<sup>1</sup>Bradford Teaching hospital Foundation Trust, <sup>2</sup>Leeds Teaching Hospitals*
- 38.** Big is beautiful- pictorial use of extended field of view in the breast. *Baskerville C*  
*Bradford Foundation Trust Teaching Hospital*

## Gastrointestinal

- 39.** The imaging of intestinal mucosa using 3D ultrasound virtual endoscopy. *Parisi G*  
*Ospedale S.M.del Prato, Italy*
- 40.** Transabdominal ultrasound in the initial assessment of bowel diseases: a pictorial review. *Kuzmich S, Harvey CJ, Cosgrove DO*  
*Hammersmith Hospital, London*

## MSK

- 41.** Audit of sonographer reporting: musculoskeletal ultrasound. *Riley SJ, Groves C, Chandramohan M*  
*Bradford Teaching Hospitals NHS Foundation Trust*

- 42.** Ultrasound of failed carpal tunnel decompression. *Botchu R, Khan A, Jeyapalan KJ*  
*University Hospital of Leicester*
- 43.** Gentle footsteps-plantar fasciitis. *Benson-Fadayomi O, Elias D*  
*King's College Hospital, London*
- 44.** The role of ultrasound in the diagnosis and management of de quervain's tenosynovitis.  
*McKinnon E, Elias D*  
*King's College Hospital, London*
- 45.** The effectiveness of musculoskeletal ultrasound in the evaluation of soft tissue masses. Does it reduce the need for MRI? *Ilyas S, McDonald S, Porter E, Chinogureyi A, Bearcroft P*  
*Addenbrookes Hospital, Cambridge*
- 46.** Long-term outcome of ultrasound-guided percutaneous treatment of plantar fasciitis: a randomized controlled study. *Sconfienza LM<sup>1</sup>, Lacelli F<sup>2</sup>, Piccazzo R<sup>3</sup>, Savarino E<sup>4</sup>, Serafini G<sup>2</sup>, Silvestri E<sup>5</sup>*  
*<sup>1</sup>IRCCS Policlinico San Donato, <sup>2</sup>AO Santa Corona, Pietra Ligure, Italy, <sup>3</sup>University of Genova School of Medicine, Italy, <sup>4</sup>University of Genova School of Medicine, Italy, <sup>5</sup>Ospedale Evangelico Internazionale, Genova, Italy*
- 47.** Dynamic high-resolution ultrasound (D-HRUS) of the posterolateral corner (PLC) of the knee. *Sconfienza LM<sup>1</sup>, Lacelli F<sup>2</sup>, Perrone N<sup>1</sup>, Gandolfo N<sup>3</sup>, Murolo C<sup>4</sup>, Serafini G<sup>5</sup>*  
*<sup>1</sup>IRCCS Policlinico San Donato, <sup>2</sup>AO Santa Corona, Pietra Ligure, <sup>3</sup>Ospedale di Sanremo, Italy, <sup>4</sup>National Institute for Cancer Research, Genova, Italy, <sup>5</sup>AO Santa Corona, Pietra Ligure, Italy*
- 48.** The role of ultrasound in the diagnosis and management of Achilles rupture. *McKinnon E, Elias D*  
*King's College Hospital, London*
- 49.** Plantar fascia injections: to dry needle or not. *Flood K<sup>1</sup>, Yanong Z<sup>2</sup>, Magee D<sup>2</sup>, Kessel DO<sup>1</sup>*  
*<sup>1</sup>Leeds General Infirmary, <sup>2</sup>School of Computing, Leeds University*
- 50.** Evaluation of ultrasound-guided local steroid and anaesthetic injection in the treatment of non-traumatic medial knee pain due to semimembranosus tendinopathy. *Bashir WA<sup>1</sup>, Suresh P<sup>2</sup>, Bell J<sup>3</sup>, Connell DA<sup>1</sup>*  
*<sup>1</sup>Royal National Orthopaedic Hospital and Ealing Hospital, <sup>2</sup>Derriford Hospital, Plymouth, <sup>3</sup>Kingston Hospital*

## Head and Neck

- 51.** Improvement to the head and neck ultrasound service. *Bainbridge JL*  
*Hull and East Yorkshire Hospitals*
- 52.** Ultrasound assessment of cervical lymph nodes in thyroid disease: an aid to accurate anatomical description. *Rowbotham E, Wilkinson C, Porte M*  
*York District Hospital*
- 53.** Analysis of sonographic findings of false negative cases in initial US-guided FNAC. *Kim JY, Kim HL, Im SA, Chun HJ.*  
*St. Mary's Hospital, Seoul, Korea*

**54.** Percutaneous ethanol injection in thyroid cancer metastases treatment. *Kusacic Kuna S University Hospital Zagreb*

**55.** Micropure - a new method for visualization of micro-calcifications - evaluated in ultrasound of thyroid lesions – correlation with pathology. *Slapa RZ<sup>1</sup>, Jakubowski W<sup>1</sup>, Szczesniak A<sup>2</sup>, Bierca J<sup>3</sup>, Jedrzejczyk M<sup>1</sup>, Szczepanik A<sup>4</sup>, Slowinska-Srzednicka J<sup>5</sup>*

<sup>1</sup> *Department of Diagnostic Imaging, Medical University of Warsaw, Poland;* <sup>2</sup> *Department of Pathology, Solec Hospital, Warsaw, Poland;* <sup>3</sup> *Department of Surgery, Solec Hospital, Warsaw, Poland;* <sup>4</sup> *Department of Surgery, Institute of Hematology and Blood Transfusion, Warsaw, Poland;* <sup>5</sup> *Department of Endocrinology, Centre for Postgraduate Medical Education, Warsaw, Poland.*

**56.** Application of ultrasound technique of microcalcifications visualization improvement under examination of thyroid gland. *Kapustin VV, Gromov AI, Kabin Yu V Moscow oncological hospital #62*

## General Medicine

**57.** Bringing ultrasound to the Glastonbury music festival. *Regi JM<sup>1</sup>, Hanlon S<sup>2</sup>*  
<sup>1</sup> *Great Western Hospital, Swindon,* <sup>2</sup> *Toshiba*

**58.** Comparison between second generation contrast-enhanced ultrasonography (CEUS) and computed tomography in diagnosis of pancreatic solid lesions. *Terracciano C<sup>1</sup>, Piattelli M<sup>2</sup>, Sperandeo M<sup>3</sup>, D Auria MV<sup>4</sup>, Niosi M<sup>5</sup>, de Sio Ilario<sup>5</sup>, Annese V<sup>3</sup>,*  
<sup>1</sup> *Casa Sollievo della Sofferenza, Foggia, Italy,* <sup>2</sup> *Unit of Emergency- Manfredonia,* <sup>3</sup> *San Giovanni Rotondo,* <sup>4</sup> *Hospital Nocera inferiore,* <sup>5</sup> *Department of Gastroenterology-Naples*

**59.** Ultrasound at peripheral sites - 'easy', isn't it? *Money LJ, Green EA, Arundale LJ Wharfedale Hospital, Otley, Leeds*

**60.** Usefulness of contrast-enhanced transabdominal ultrasound for tumor classification and tumor staging in the pancreas. *Grossjohann HS, Rappeport E, Jensen C, Svendsen LB, Hillingsø JG, Nielsen MB*  
*Copenhagen University Hospital*

**61.** The possibility of locating sentinel nodes in patients with malignant melanoma using CEUS. *Nielsen KR, Klyver H, Chakera AH, Nedergaard L, Hesse B, Nielsen MB*  
*Copenhagen University Hospital, Rigshospitalet*

**62.** The sonographic appearances of iatrogenic foreign bodies. *McNeill G, Halpenny D, Barrett S, Torreggiani WC*  
*Adelaide and Meath Hospital*

**63.** Pictorial review on the role of real time tissue elastography in anorectal abnormalities. *Rajayogeswaran B, Shah A, Ryan S*  
*King's College Hospital, London*

**64.** The ultrasonography and the diagnostic value of pseudomyxoma peritonei. *Sun Y, Chen W, Cui Li-G, Wang Jing-r*  
*Peking University Third Hospital*

**65.** Assessment of focal splenic lesions with contrast-enhanced ultrasound: how does this relate to b-mode ultrasound, CT and MR imaging and histology? A pictorial review. *Bosanac D Sellars ME, Sidhu PS*  
*King's College Hospital, London*

**66.** Simulators in interventional radiology: training or computer games? *Flood K, Hopper, M, Barron D, O'Conner P, Rankin J, Robinson P, Grainger AJ*  
*Leeds General Infirmary*

## Obs/Gynae

**67.** Can saline infusion hysterosonography replace a diagnostic hysteroscopy in the investigation of endometrial polyps? *Lindsay A<sup>1</sup>, Simpson R<sup>2</sup>*  
*<sup>1</sup>Mayday Hospital, Croydon, <sup>2</sup>Kings College, London*

**68.** Colour Doppler sonography in the evaluation of tubal patency. *Phoon CF, Lee SL, Chieng R, Yong TT, Hemashree R, Yu SL*  
*Singapore General Hospital*

**69.** Postmenopausal bleeding - or is it? *Arundale LJ, Money LJ, Green EA*  
*Wharfedale Hospital, Otley, Leeds*

**70.** Does patient age influence the visualisation of ovaries with ultrasound? *Green EA, Dunham RJC, Arundale LJ, Money LJ*  
*Leeds Teaching Hospitals Trust*

**71.** Transvaginal ultrasound prior to microwave endometrial ablation – how are we doing? *Shuen WM<sup>1</sup>, Var, VVV<sup>1</sup>, Pearson, SA<sup>2</sup>*  
*<sup>1</sup> Peninsula Radiology Academy, Plymouth, <sup>2</sup>Plymouth Hospitals NHS Trust*

**72.** The applicability of ultrasound-ct fusion technique for the core-needle biopsy guidance of pelvic tumors. *Kapustin VV, Gromov AI*  
*Moscow Oncological Hospital #62*

**73.** Which is the role of enhancement curves in the differential diagnosis of uterine adenomyosis and myomatosis when comparing contrast-enhanced ultrasound (CEUS) and color Doppler (CD)? *Sconfienza LM<sup>1</sup>, Lacelli F<sup>2</sup>, Perrone N<sup>1</sup>, Gandolfo N<sup>3</sup>, Murolo C<sup>4</sup>, Serafini G<sup>5</sup>*  
*<sup>1</sup>IRCCS Policlinico San Donato, <sup>2</sup>AO Santa Corona, Pietra Ligure, <sup>3</sup>Ospedale di Sanremo, Italy, <sup>4</sup>National Institute for Cancer Research, Genova, Italy, <sup>5</sup>AO Santa Corona, Pietra Ligure, Italy*

**74.** Modifications in the management of adnexal masses induced by the use of trans-vaginal contrast enhanced ultrasound (TVCEUS) *Sconfienza LM<sup>1</sup>, Lacelli F<sup>2</sup>, Perrone N<sup>1</sup>, Gandolfo N<sup>3</sup>, Murolo C<sup>4</sup>, Serafini G<sup>5</sup>*  
*<sup>1</sup>IRCCS Policlinico San Donato, <sup>2</sup>AO Santa Corona, Pietra Ligure, <sup>3</sup>Ospedale di Sanremo, Italy, <sup>4</sup>National Institute for Cancer Research, Genova, Italy, <sup>5</sup>AO Santa Corona, Pietra Ligure, Italy*

**75.** Pictorial review of normal ultrasound appearances and complications of IUD insertion. *Mortimer A, Griffiths D, Hotston M, Jones AMM*  
*Great Western Hospital, Swindon*

**76.** Accuracy of estimation of fetal weight by ultrasound. *Umranikar S, Bagan C, Sohail A*  
*Basingstoke and North Hampshire NHS Foundation Trust*

**77.** Audit of normal ovaries visualised during transvaginal ultrasound of postmenopausal women. *Stott WPQ<sup>1</sup>, Ryan A<sup>1</sup>, Gentry-Maharaj A<sup>1</sup>, Fletcher G<sup>1</sup>, Burnell M<sup>1</sup>, Amso N<sup>2</sup>, Seif, M<sup>3</sup>, Ferguson A<sup>4</sup>, Turner G<sup>4</sup>, Brunell C<sup>5</sup>, Ford, K<sup>6</sup>, Rangar R<sup>7</sup>, Campbell S<sup>8</sup>, Jones C<sup>1</sup>, Menon U<sup>1</sup>, Jacobs I<sup>1</sup>*  
<sup>1</sup>Gynaecological Oncology, UCL EGA Institute of Women's Health, London, <sup>2</sup>Department of Obstetrics and Gynaecology, Wales College of Medicine, Cardiff, <sup>3</sup>Academic Unit of Obstetrics and Gynaecology, St. Mary's Hospital, Manchester, <sup>4</sup>Department of Imaging, Derby City Hospital, Derby, <sup>5</sup>Department of Clinical Radiology, UCLH, London, <sup>6</sup>Department of Radiology, Liverpool Womens Hospital, Liverpool, <sup>7</sup>Northern Gynaecological Oncology Centre, Queen Elizabeth Hospital, Gateshead, <sup>8</sup>Create Health Clinic, London

## Paediatrics

**78.** Impact of NICE guidelines 54 on paediatric ultrasound referrals for UTI. *Cherrill J, Wallis A, Jones AMM*  
*Great Western Hospital, Swindon*

**79.** Color Doppler twinkling artifact in pediatric sonography. *Kujawa M, Wojciech K, Dominik S*  
*Medical University of Gdansk*

**80.** Ultrasonic assessment of paediatric lumps, bumps and soft tissue swelling. *Kingston CA, Murphy AM, Cooper JCE*  
*York Hospital*

**81.** New place for sonographic assessment of the left renal vein in the diagnostic algorithm of proteinuria in children. *Swieton D, Kosiak W*  
*Department of Pediatric and Adolescent Nephrology and Hypertension, Medical University of Gdansk*

## Physics and Vascular

**82.** Anglo-French co-operation in the early development of ultrasound pulse-echo methods. *Duck FA*  
*Bath University*

**83.** 3D reconstruction of an atherosclerotic plaque by a combination of ultrasound and histology. *Hopkins W<sup>1</sup>, Choudhury A<sup>1</sup>, Gao H<sup>1</sup>, Das S<sup>2</sup>, Long Q<sup>1</sup>*  
<sup>1</sup>Brunel University, <sup>2</sup>Hillingdon Hospital

**84.** Acoustic impedance difference imaging method for puncture needle-type ultrasonography using thin rod. *Yoshizawa M<sup>1</sup>, Irie T<sup>2</sup>, Itoh K<sup>3</sup>, Moriya T<sup>4</sup>, (emeritus)*  
<sup>1</sup>Tokyo Metropolitan College of Industrial Technology, <sup>2</sup>Microsonic Co., Ltd, <sup>3</sup>Hitachi-Omiya Saiseikai Hospital, <sup>4</sup>Tokyo Metropolitan University

**85.** Carotid artery elasticity using the phased-tracking method is useful as a risk factor for coronary artery disease. *Ogata Y<sup>1</sup>, Miyachi Y<sup>2</sup>, Manaka K<sup>1</sup>, Hasegawa H<sup>3</sup>, Kanai H<sup>3</sup>, Itoh K<sup>1</sup>*  
<sup>1</sup>Hitachiomiya Saiseikai Hospital, <sup>2</sup>FUJIFILM Corporation, <sup>3</sup>Graduate School of Engineering, Tohoku University

- 86.** Localised low frequency acoustic radiation force for elastography and other applications.  
Cochran S<sup>1</sup>, Mulvana H<sup>2</sup>  
<sup>1</sup>University of Dundee, <sup>2</sup>Imperial College, London
- 87.** Abdominal aortic aneurysm screening programme equipment evaluation. Moore SC,  
Wolstenhulme S, Evans JA  
University of Leeds
- 88.** Effect of various Doppler ultrasound settings on velocity estimations. Mirsadraee S<sup>1</sup>, Evans A<sup>2</sup>,  
Kessel D<sup>3</sup> <sup>1</sup>Leeds General Infirmary, <sup>2</sup>Academic Unit of Medical physics, University of Leeds,  
<sup>3</sup>Leeds Teaching Hospitals
- 89.** AAA screening – the missing dimension? McQueen AS<sup>1</sup>, Oates CP<sup>2</sup>, Elliott SE  
<sup>1</sup>Royal Victoria Infirmary, Newcastle <sup>2</sup>Freeman Hospital, Newcastle
- 90.** “Radio-sonography” fusion for the evaluation of periodontal disease. Badea M, Hedesi M,  
Socaciu M, Serbanescu A, Badea AF  
“Iuliu Hatieganu” University of Medicine And Pharmacy
- 91.** High-frequency ultrasonography applications for measurements of periodontal tissues in pig mandible. Badea M, Chifor R, Hedesi M, Socaciu M, Serbanescu A, Badea AF  
“Iuliu Hatieganu” University of Medicine And Pharmacy
- 92.** Multimodality evaluation of consecutive patients with abdominal aneurysm treated with endovascular graft: color-Doppler-us vs low-MI CEUS compared with 64-slice-CTA and MRA. Cantisani V, Napoli A, Menichini G, Marotta E, Medvedieva E, Maldur V, Guerrisi I, Drudi FM, Ricci P  
Policlinico Umberto I, Univ. Sapienza, Rome
- 93.** Study for imaging of inside bone using ultrasonic frequency characteristics. Irie T<sup>1</sup>, Koumoto K<sup>2</sup>, Tanabe M<sup>2</sup>, Tagawa N<sup>2</sup>, Okubo K<sup>2</sup>, Itoh K<sup>3</sup>  
<sup>1</sup>Tokyo Metropolitan University and Microsonic Co., Ltd., <sup>2</sup>Tokyo Metropolitan University, <sup>3</sup>Hitachi-Omiya Saiseikai Hospital
- 94.** Development of real-time ultrasonic microscope using a fused quartz fiber. Irie T<sup>1</sup>, Tanabe M<sup>2</sup>, Tagawa N<sup>2</sup>, Okubo K<sup>2</sup>, Itoh K<sup>3</sup>  
<sup>1</sup>Tokyo Metropolitan University and Microsonic Co., Ltd., <sup>2</sup>Tokyo Metropolitan University, <sup>3</sup>Hitachi-Omiya Saiseikai Hospital
- 95.** Investigation of the angular scattering properties of artificial shaped emboli in a flow phantom. Gold LJ, Ramnarine KV, Chung EM, Fan L, Evans DH  
University of Leicester
- 96.** Early detection of tooth decay with high frequency focused ultrasound. Hughes DA<sup>1</sup>, Girkin, J.M<sup>2</sup>, Longbottom C<sup>2</sup>, Cochran S<sup>2</sup>  
<sup>1</sup>University of Strathclyde, <sup>2</sup>University of Durham
- 97.** Evaluating the performance of cardiac Doppler tissue imaging using a high accuracy phantom. Hammer SJ<sup>1</sup>, Christy J<sup>1</sup>, Pye S<sup>2</sup>, McDicken WN<sup>1</sup>, Anderson T<sup>1</sup>  
<sup>1</sup>The University of Edinburgh, <sup>2</sup>The Royal Infirmary of Edinburgh
- 98.** Development of fine-scale arrays for high resolution ultrasound imaging. Démoré CES<sup>1</sup>, Bernassau AL<sup>1</sup>, Bush NL<sup>2</sup>, Dauchy F<sup>3</sup>, Garcia-Gancedo L<sup>3</sup>, Hutson D<sup>1</sup>, Meggs C<sup>3</sup>, Bamber JC<sup>2</sup>, Button TW<sup>3</sup>, Cochran S<sup>1</sup>

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**99.** Refinement and investigation of ultrasonic cutting device for surgery. Zhang S<sup>1</sup>, Cochran S<sup>2</sup>, Corner GA<sup>3</sup>

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**100.** An in-vitro study of air emboli characteristics using transcranial Doppler sonography and optical imaging. Banahan C<sup>1</sup>, Chung EML<sup>2</sup>, Ramnarine KV<sup>1</sup>, Evans DH<sup>2</sup>

<sup>1</sup>University Hospitals of Leicester NHS Trust, <sup>2</sup>Department of Cardiovascular Sciences, University of Leicester

**101.** Usefulness of acoustic radiation force impulse (ARFI) technology (Siemens) for the evaluation of liver stiffness. Sporea I<sup>1</sup>, Badea R<sup>2</sup>, Şirli R<sup>1</sup>, Lupşor M<sup>2</sup>, Popescu A<sup>1</sup>, Dănilă M<sup>1</sup>, Deleanu A<sup>1</sup>, Bota S<sup>1</sup>

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**102.** 3D-to-2D compounding: tissue enhancement and noise suppression. Perperidis A<sup>1</sup>, McDicken N<sup>1</sup>, MacGillivray T<sup>2</sup>, Anderson T<sup>1</sup>

<sup>1</sup>University of Edinburgh, <sup>2</sup>Wellcome Trust Clinical Research Facility, Western General Hospital, Edinburgh.

**103.** Strain ratio – a tool for quantification of elastograms in vitro. Havre RF<sup>1</sup>, Waage JE, Ødegaard S<sup>3</sup>, Gilja OH<sup>3</sup>, Nesje LB<sup>3</sup>

<sup>1</sup>Institute of Medicine, <sup>2</sup>University of Bergen, <sup>3</sup>Surgical Department, HUS, Institute of Medicine, UoB, Medical Dept., HUS

**104.** Varices within groin lymph nodes: ultrasonographic appearance and relation to lower limb edema in patients with surgically treated varicose disease. Dudea SM, Botar-Jid C, Ciuce C, Chiorean A

Universitatea de Medicina si Farmacie “Iuliu Hatieganu”, Cluj-Napoca, Romania

**105.** Skin characterization by laser ultrasonics. Xu Y<sup>1</sup>, Huang Z<sup>2</sup>, Cochran S<sup>3</sup>, Corner GE<sup>4</sup>, Letang A<sup>1</sup>, Prentice P<sup>3</sup>

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**106.** Ultrasonographic evaluation of arterial stiffness and intima media thickness in patients with chronic obstructive pulmonary disease. Fodor D, Albu A, Poanta L, Suciu O, Bondor C

University of Medicine and Pharmacy, Cluj-Napoca

**107.** An audit of unnecessary treatment in the management of suspected DVT. McAteer S, Sturday, J, Hoskins, MC

Mayday University Hospital

**108.** Contrast enhanced ultrasonography in the detection of emergency blunt abdominal trauma. does it work? *Stefanidis K, Cokkinos DD, Tserotas P, Kratimenos T, Dagiakidi E, Spiliopoulou G, Farsaris D, Argyriou E, Piperopoulos PN*  
*Radiological Department, Evangelismos Hospital, Athens, Greece)*

**109.** Bedside lung ultrasonography. A useful tool in imaging of complete lobar opacification. *Stefanidis K<sup>1</sup>, Vitzilaios K<sup>1</sup>, Dimopoulos S<sup>2</sup>, Anagnostakou V<sup>1</sup>, Benakis S<sup>1</sup>, Tavernaraki EK<sup>1</sup>, Tripodaki E<sup>2</sup>, Zervakis D<sup>2</sup>, Nanas S<sup>2</sup>*<sup>1</sup>*Radiological Department, Evangelismos Hospital* <sup>2</sup>*First Critical Care Department, Evangelismos Hospital, National and Kapodistrian University of Athens.*

**110.** Pleural effusion patterns in sonography. Can ultrasound predict the nature of pleural effusions in order to diagnose thoracic empyema? *Stefanidis K<sup>1</sup>, Vitzilaios K<sup>1</sup>, Dimopoulos S<sup>2</sup>, Chatzimichael A<sup>2</sup>, Hliopoulou E<sup>1</sup>, Cokkinos DD<sup>1</sup>, Politis P<sup>2</sup>, Nanas S<sup>2</sup>*  
<sup>1</sup>*Radiological Department, Evangelismos Hospital* <sup>2</sup>*First Critical Care Department, Evangelismos Hospital, National and Kapodistrian University of Athens.*

**111.** Diagnostic Point of Care Ultrasound in Acute Medicine. *Ismaeel S<sup>1</sup>, Walton J<sup>2</sup>, Lorains J<sup>1</sup>, Day N<sup>1</sup>, Earnshaw D<sup>1</sup>*  
<sup>1</sup>*Wirral University Teaching Hospital NHS Foundation Trust*  
<sup>2</sup>*Faculty of Health and Life Sciences, University of Liverpool*

**112.** Ultrasound guided haematoma block for the closed reduction of distal radial fractures - a unique training method. *Kennish SJ, Currie S, Krishan S, Kessel D*  
*Leeds Radiology Academy*

**113.** Ultrasound guidance of regional anaesthesia: the clinical application of improved technology. *Corner GA<sup>1</sup>, Cochran S<sup>2</sup>, Krishnan G<sup>2</sup>, Marri S<sup>3</sup>, McLeod GA<sup>3</sup>, Swab A<sup>4</sup>*  
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*Institute of Biomedical Engineering and Informatics, TU Ilmenau*

**114.** Ultrasound-guided percutaneous procedure is more effective than simple steroid injection in the treatment of calcifying tendinitis of the rotator cuff. *Sconfienza LM<sup>1</sup>, Lacelli F<sup>2</sup>, Perrone N<sup>1</sup>, Gandolfo N<sup>3</sup>, Murolo C<sup>4</sup>, Serafini G<sup>5</sup>*  
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