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IN MEDICINE AND BIOLOGY
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Poster Session

1. Operator related variability of liver assessment by ultrasound steatometry and shear wave elastometry
Nataliia Ziuz et al.
2. Treatment response evaluated by quantitative ultrasound steatosis measurements in a dietary interventional trial in type 2 Diabetes
Audun M. Trelsgård et al.
3. Exploring the Potential of ChatGPT in the Interpretation of Testicular Ultrasound Images: A Feasibility Study
Waldemar Białek
4. Longitudinal changes in umbilical ring width in children aged 7–12 years: a one-year prospective ultrasonographic study
Agata M. Kawalec-Rutkowska et al.
5. Development of anterior abdominal wall muscles and diastasis recti in children: a prospective study
Agata M. Kawalec-Rutkowska et al.
6. The Role of Shear Wave Elastography in the Diagnosis and Treatment Monitoring of Bruxism: A Prospective Clinical Study
Evren Üstüner et al.
7. Influence of Overlying Tissue Composition and Depth on Peripheral Nerve Shear-Wave Elastography: A Cadaveric Study
Jost Peterca et al.
8. Evaluating Cardiometabolic Risk in Patients with Obesity Using Handheld Ultrasound: A Cross-Sectional Pilot Study of Point-of-Care cIMT Measurement and Inflammatory Biomarker
Marcin Kutek
9. Multiparametric Assessment of the Adrenal Glands in Pediatric Patients
Blerina Saraci et al.
10. High-resolution Transcranial Ultrasound in Pediatric Hydrocephalus Monitoring: Methods and Preliminary Practice
Zhiyan Kou et al.
11. Liver SWE elastography performed in neonates is a reliable method to monitor hepatic failure in newborns hospitalized in NICU
Agnieszka Ochoda-Mazur et al.
12. Urinary Bladder Wall Stiffness in Patients with Lower Urinary Tract Symptoms Assessed by 2D Shear Wave Elastography
Gabriel Czepe et al.
13. 2D Shear Wave Elastography of the Urinary Bladder in Healthy Adults
Gabriel Czepe et al.
14. Seminoma diagnosed by transrectal ultrasound-guided core needle biopsy in a pelvic ectopic testis previously presumed removed – a case report
Weronika Gałat et al.

15. The Ukrainian CEUS project—experience using at the Western Ukrainian Specialized Children's Medical Center amid war. A light at the end of of the tunnel?
Viktor Zhelov
16. Ultrasound Evaluation of Humeral Bone Lesion Mimicking Osteomyelitis in a Child with T-ALL: Langerhans Cell Histiocytosis
Szymon Pochwatka et al.
17. Mobile ultrasound (US) comes to your home – First Phase
Dieter Nürnberg et al.
18. Physiological Responses to Arteriovenous Anastomosis Cooling and Its Potential Role in Brown Adipose Tissue Activation
Riki Tanaka et al.
19. Ultrasound estimation of the association between hepatic steatosis and colonic diverticular disease
Oleh Dynnyk et al.
20. Ultrasound Assessment of Training-Specific Adaptations in Lateral Abdominal Wall Muscles: A Randomized Controlled Study
Paweł Niewiadomy et al.
21. Acute Effects of Radial Extracorporeal Shock Wave Therapy on the Lower Leg in High-Level Collegiate Sprinters: Visualization of Stiffness and Blood Flow Using Ultrasound Elastography
Tetsushi Moriguchi et al.
22. Cavo-caval anastomosis stenosis detected by Doppler Ultrasound: A Case Report
Konrad Rymarzak et al.
23. Launch of the German INVUS Registry: First-Year Development
Nicole Eder et al.
24. Automatic Segmentation of Tophi in Ultrasound Images Based on Deep Learning: A Feasibility Study
Xiaoyi Yan et al.
25. The value of contrast-enhanced ultrasound in the follow-up of inflammatory bowel diseases in Lithuanian University of Health sciences Kaunas Clinics
Dalia Mitraitė et al.
26. When Eating Causes Pain: The Clinical Picture of Abdominal Angina
Maria Nowakowska
27. Hemoptysis requiring anticoagulation: pulmonary embolism as a clinical pitfall — a case report
Mateusz Pawłowski et al.
28. Multiparametric Ultrasound Improve Early Diagnosis in Breast Cancer – a pilot study
Laura Lucan
29. Hidden danger as post-traumatic popliteal artery aneurysm thrombosis. A rare etiology of acute lower extremity ischemia
Claudia Sieńko et al.
30. Features of the condition of the main arteries of the head in patients with headache
Valeriy Kalashnikov
31. A predictive model based on ultrasound features and clinical indices for malignancy in ovarian tumors classified as O-RADS 3 or higher
Yuqi Xu et al.
32. Factors influencing renal shear-wave elastography in children: probe orientation, respiration, corticomedullary differentiation, and hydration
Andrzej Materniak et al.

33. Transcranial Ultrasound Visualization Assessment and Clinical Application in Neuro-Oncology
Jiahe Guo et al.
34. Frequency and clinical relevance of incidental findings in abdominal ultrasound – Interim analysis of a prospective multicenter study (IFUS)
Isabell Zeiger et al.
35. The student ultrasound certificate (StUZ) from Brandenburg (Germany) – Evaluation of a structured training program after two years of implementation
Isabell Zeiger et al.
36. Incidental findings in endoscope ultrasound of the upper gastrointestinal tract- Retrospective single- center 6-year analysis (IFEUS)
Isabell Zeiger et al.
37. Shear-Wave Elastography as a non invasive tool for fibrosis assessment in MASLD patients
Vittoria Pesiri et al.
38. Assessment of Hepatic Steatosis by Measuring Parenchymal Ultrasound Attenuation in Patients Treated with GLP1 Analogues (Tirzepatide, Semaglutide) – Preliminary Report
Tadeusz Wilkosz
39. Enhancing Deep Learning U-Net Models for Automated Ultrasound Image Segmentation by Addressing Operator Variability and Prediction Reliability
Pascal Engl et al.