

List of Publications - Daniel Smutek, M.D., M.Sc., Ph.D.

Original articles in journals or reviewed proceedings

Tesar L., Shimizu A., Smutek D., Kobatake H., Nawano S.: Medical Image Analysis of 3D CT Images Based on Extension of Haralick Texture Features, accepted to Computerized Medical Imaging and Graphics (2008). IF 1,1

Potlukova E., Jiskra J., Limanova Z., Kralikova P., Smutek D., Mareckova H., Antosova M. & Trendelenburg M. (2008) Clinical & Experimental Immunology 153, 96-101. IF = 2.747.

Jiskra, J., J. Barkmanova, Z. Limanova, V. Lanska, D. Smutek, E. Potlukova, and M. Antosova. 2007. Thyroid autoimmunity occurs more frequently in women with breast cancer compared to women with colorectal cancer and controls but it has no impact on relapse-free and overall survival. Oncol.Rep. 18:1603-1611. IF = 1.356

Shimizu A., Sakurai H., Kobatake H., Nawano S., Smutek D.: Improvement of a multi-organ extraction algorithm in an abdominal CAD system based on feature in neighbouring regions. International Journal of Computer Assisted Radiology and Surgery, Vol.2 (S1), pp. 386-388, 2007.

Tesar L., Smutek D., Shimizu A., Kobatake H.: Medical Image Segmentation Using Co-occurrence Matrix Based Texture Features Calculated on Weighted Region. In Sahni.S (Ed.):Proceedings of the Third IASTED International Conference on Advances in Computer Science and Technology, ACTA Press, Anaheim, Calgary, Zurich, 2007, pp. 243-248, ISBN: 978-0-88986-656-0.

Tesar L., Smutek D., Shimizu A., Kobatake H.: 3D Extension of Haralick Texture Features for Medical Image Analysis. In Proceedings of the Fourth IASTED International Conference on Signal Processing, Pattern Recognition, and Applications, ACTA Press, Anaheim, Calgary, Zurich, 2007, pp. 350-355, ISBN: 978-0-88986-646-1.

Kybic J., Smutek D.: Image Registration Accuracy Estimation without Ground Truth using Bootstrap. In Beichel, R and Sonka, M (Ed.) CVAMIA: Computer Vision Approaches to Medical Image Analysis, Lecture Notes in Computer Science,3117, Springer-Verlag, Berlin Heidelberg, Germany, 2006, pp. 61-72, ISBN: 3-540-46257-0.

Tesar L., Hideo K., Shimizu A., Smutek D.: Gaussian Mixture Model for Texture-Based Medical Image Analysis. In Nyongesa, H (Ed.) Proceedings of the Sixth IASTED International Conference on Modelling, Simulation, and Optimization, ACTA Press, USA, 2006, pp. 8-12, ISBN 0-88986-618-X (hardcopy), 0-88986-620-1.

Smutek D., Shimizu A., Tesar L., Kobatake H., Nawano S., Svacina S.: Automatic Internal Medicine Diagnostics Using Statistical Imaging Methods. In Lee, DJ, Nutter, B, Antani, S, Mitra, S, and Archibald, J (Ed.) Proceedings 19th IEEE International Symposium on Computer-Based Medical Systems CBMS 2006, IEEE Computer Society, Los Alamitos, CA, USA, 2006, pp. 405-410, ISBN: 0-7695-2517-1.

Smutek D., Shimizu A., Tesar L., Kobatake H., Nawano S., Maruna P.: Developing System for Remote Clinical Evaluation of Computed Tomography and B-Mode Ultrasound Images. In Pinciroli, F. (Ed.) Proceedings of the Second IASTED International Conference on Telehealth, ACTA Press, USA, 2006, pp. 86-91, ISBN: 0-88986-573-6.

Shimizu,A., Ohno,R., Ikegami,T., Kobatake,H., Nawano,S., Smutek,D.: Multi-organ Segmentation in Three Dimensional Abdominal CT images. International Journal of Computer Assisted Radiology and Surgery 1(S1), pp. 76-78, 2006.

Smutek D., Shimizu A., Tesar L., Kobatake H., Nawano S.: Artificial Intelligence Methods Application in Liver Diseases Classification from CT Images. In Fred, Ana and Lourenco, Andre (Ed.) Pattern Recognition in Information Systems (Proceedings of the Sixth International Workshop on Pattern Recognition in Information Systems - PRIS 2006), INSTICC Press, Portugal, 2006, pp. 146-155, ISBN: 972-8865-55-4.

Smutek D., Shimizu A., Kobatake H., Nawano S., Tesar L.: Texture Analysis of Hepatocellular Carcinoma and Liver Cysts in CT Images. In Proceedings of the Third IASTED International Conference on Signal Processing, Pattern Recognition, and Applications, ACTA Press, Anaheim, Calgary, Zurich, 2006, pp. 56-59, ISBN: 0-88986-580-9; ISSN: 1482-7921.

- Jiskra, J., Smutek, D., Barkmanova, J., Antosova, M., Limanova, Z., Potlukova, E., Sucharda, P.: Serum Levels of Antibodies to Thyroid Peroxidase Correlate with Quantitative Descriptors of Thyroid Ultrasound Images in Patients with Breast Cancer. *Prague Medical Report* 106(4), pp. 399-408, 2005.
- Tesar L., Smutek D., Jiskra J.: Genetic algorithms for thyroid gland ultrasound image feature reduction. In Wang, L., Chen, K., and Ong, Y.S. (Ed.) *Advances in Natural Computation, Lecture notes in computer science* 3612, Springer-Verlag, Berlin Heidelberg, Germany, 2005, pp. 841-844. IF = 0.402.
- Kybic J., Smutek D.: Estimating Elastic Properties of Tissues from Standard 2D Ultrasound Images. In Walker, W. and Emelianov, S. (Ed.) *Medical Imaging 2005: Ultrasonic Imaging and Signal Processing*, 6(Progress in Biomedical Optics and Imaging), SPIE, 2005, pp. 184-195, ISBN: 1605-7420.
- Kybic J., Smutek D.: Computational Elastography from Standard Ultrasound Image Sequences by Global Trust Region Optimization. In Christensen, G and Sonka, M (Ed.) *Lecture Notes in Computer Science* 3565 (Information Processing in Medical Imaging, 19th International Conference, IPMI 2005), Springer-Verlag, Berlin Heidelberg, 2005, pp. 299-310, ISSN 0302-9743.
- Svec M., Sara R., Smutek D.: On Reproducibility of Ultrasound Image Classification. In Marques, JS (Ed.) *Lecture Notes in Computer Science* 3523 (Pattern Recognition and Image Analysis: Second Iberian Conference, IbPRIA 2005, Estoril, Portugal, June 7-9, 2005, Proceedings, Part II), Springer-Verlag GmbH, 2005, pp. 439-446, ISBN: 3-540-26154-0.
- Tesar L., Smutek D., Jiskra J., Maruna P.: Learning and Diagnostics of Lymphocytic Thyroiditis Based on Sonogram Scans. In Shokin, YI (Ed.) *Proceedings of the Second IASTED International Multi-Conference on Automation, Control, and Information Technology*, ACTA Press, Anaheim-Calgary-Zurich, 2005, pp. 316-319, ISBN 0-88986-461-6.
- Smutek D., Jiskra J.: Texture in Thyroid Ultrasonography and its Relation to Bcl-2 Proteins in Patients with Breast Cancer and Autoimmune Thyroid Diseases. In *IFMBE Proceedings, 3rd European Medical & Biological Engineering Conference EMBEC'05,11*, Prague, 2005, ISSN 1727-1983.
- Jiskra, J., Limanova, Z., Barkmanova, J., Smutek, D., Friedmannová, Z.: Autoimmune Thyroid Diseases in Women with Breast Cancer and Colorectal Cancer. *Physiol. Res.* 53, pp. 693-702, 2004.
- Lotjonen, J., Kivisto, S., Koikkalainen, J., Smutek, D., Lauerma, K.: Statistical shape model of atria, ventricles and epicardium from short- and long-axis MR images. *Medical Image Analysis* 8(3), pp. 371-386, 2004.
- Smutek D., Jiskra J., Sucharda P., Svacina S., Maruna P., Kofranek J.: Ultrasound Image Analysis Confirms Relation of Breast Cancer and Thyroid Diseases. In Hamza, M. H. (Ed.) *The 6th IASTED International Conference on Signal and Image Processing*, ACTA Press, Anaheim-Calgary-Zurich, 2004, pp. 637-641, ISBN 0-88986-434-9, ISSN 1482-7921.
- Sucharda P., Smutek D., Šára R.: Analysis of Ultrasonogram Texture – New Quality in Thyroid Gland Diagnostics? (*Analýza textury ultrasonogramů - nová kvalita v diagnostice štítné žlázy?*) *Časopis lékařů českých*, 1/2004, pp. 15-20. ISSN 0008-7335.
- Smutek D., Tesar L., Sucharda P., Svacina S.: Bayesian Classification of Thyroid Ultrasound Using Gaussian Mixture Model. In Fieschi, M., Coiera, E., and Li, Y. J. (Ed.) *Proceedings of the 11th World Congress on Medical Informatics, Omnipress*, 2004, pp. 1868
- Kofranek J., Maruna P., Andrlík M., Stodulka P., Kripner T., Smutek D., Svacina S.: The Design and Development of Interactive Multimedia in Educational Software with Simulation Games. In *Proceedings of the 7th IASTED International Conference on Computer Graphics and Imaging*, 2004, pp. 164-170
- Tesar L., Smutek D.: Bayesian Classification of Sonograms of Thyroid Gland Based on Gaussian Mixtures. In *Proceedings of Norwegian Conference on Image Processing and Pattern Recognition, NOBIM'2004*, 2004, pp. 36-40
- Švec M., Šára R., Smutek D.: Sensitivity Analysis for Reproducibility of Ultrasound Image Classification. In: Skocaj D. (Ed.) *Proceedings of the 9th Computer Vision Winter Workshop, Slovenian Pattern Recognition Society*, Ljubljana, 2004, pp. 89-98, ISBN 961-90901-1-X.
- Smutek D., Jiskra J., Sucharda P., Tesar L.: Possibilities of Thyroid Ultrasonography Comparison in Patients with Oncological and Autoimmune Thyroid Diseases. In: Aleksy M. et al. (Ed.) *Proceedings of the Winter International Symposium on Information and Communication Technologies, WISICT 2004*, Cancun, Mexico, January 5-8, 2004. Computer Science Press, Trinity College Dublin, pp. 363-367, ISBN 0-9544145-3-5.

- Smutek D., Šára R., Sucharda P., Tjahjadi T., Švec M.: Image Texture Analysis of Sonograms in Chronic Inflammations of Thyroid Gland. *Ultrasound in Medicine and Biology*, 29/11, 2003, pp. 1531-1543.
- Lötjönen J., Smutek D., Kivistö S., Lauerma K.: Tracking atria and ventricles simultaneously from cardiac short- and long-axis MR images. *Lecture Notes in Computer Science 2879: Medical Image Computing and Computer-Assisted Intervention – MICCAI 2003*, Montreal, Canada, 16-18.11.2003, Springer, pp. 467-474.
- Lötjönen J., Koikkalainen J., Smutek D., Kivistö S., Lauerma K.: Four-Chamber 3-D Statistical Shape Model from Cardiac Short-Axis and Long-Axis Images. In: Ellis RE., Peters (tm) (Ed) *Lecture Notes in Computer Science 2879: Medical Image Computing and Computer-Assisted Intervention – MICCAI 2003*, Montreal, Canada, 16-18.11.2003, Springer, pp. 459-466.
- Smutek D., Šára R., Sucharda P.: Relation between Ultrasonographic Image and Clinical and Laboratory Findings in Lymphocytic Thyroiditis. *Endocrine Regulations*, Vol. 37, 2003, pp. 181-187.
- Smutek D., Šára R., Sucharda P.: Ultrasonogram Analysis of Chronic Autoimmune Thyroiditis Using Non-Heuristic Texture Features. In: *Modelling and Control in Biomedical Systems 2003*, A proceedings volume from the 5th IFAC Symposium, Australia, 21 – 23 August 2003, Eds. Feng D.D., Carson E.R. ISBN 0-08-044159-9, ISSN 1474-6670. Elsevier Ltd, Oxford, UK, 2003, p.265-269.
- Smutek D., Šára R., Sucharda P., Tesář L.: Different Types of Image Texture Features in Ultrasound of Patients with Lymphocytic Thyroiditis. In Aleksy M. et al. (Ed) *Proceedings of the International Symposium on Information and Communication Technologies, ISICT 2003*, Trinity College Dublin, Ireland, September 24-26, 2003. Computer Science Press, Trinity College Dublin, pp. 100-102, ISBN 0-9544145-2-7.
- Štuka Č, Smutek D.: Correlation of the Entrance Examination Result and the Study Success at the Medical Faculty, Charles University Prague. In Aleksy M. et al. (Ed) *Proceedings of the International Symposium on Information and Communication Technologies, ISICT 2003*, Trinity College Dublin, Ireland, September 24-26, 2003. Computer Science Press, Trinity College Dublin, pp. 52-57, ISBN 0-9544145-2-7.
- Smutek D., Sucharda P., Šára R.: Quantitative Indicators of Sonographic Image of Thyroid Gland and Their Relation to Anti-Thyroid Antibodies in Hashimoto's Lymphocytic Thyroiditis. In Surján G., Engelbrecht R. (Eds) *Health Data in the Information Society: Proceedings of MIE 2002*. No. 90 in Technology and Informatics Series. Amsterdam:IOS Press 2002, pp. 8-12, ISBN 1 58603 279 8.
- Hederman L., Smutek D., Wade V., Knappe T.: Representing Clinical Guidelines in UML: A Comparative Study. In Surján G, Engelbrecht R. (Eds) *Health Data in the Information Society: Proceedings of MIE 2002*. No. 90 in Technology and Informatics Series. Amsterdam:IOS Press 2002, pp. 471-477, ISBN 1 58603 279 8.
- Smutek D., Semecký J.: Feature Selection by Genetic Algorithms in Image Texture Analysis of Thyroid Gland Ultrasound. In Hutten H., Krösl P. (Eds) *IFBBE Proceedings: 2nd European Medical and Biological Engineering Conference EMBEC'02*, Volume 3, 2002. Verlag der Technischen Universität Graz, pp. 878-879, ISSN 1680-0737, ISBN 3 901351 62 0.
- Šára R., Smutek D., Sucharda P., Svačina Š.: Systematic Construction of Texture Features for Hashimoto's Lymphocytic Thyroiditis Recognition from Sonographic Images, *Artificial Intelligence in Medicine*, 8th Conference on Artificial Intelligence in Medicine in Europe, Cascais, Portugal, pp. 339-348, July 2001.
- Smutek D., Šára R., Sucharda P., Svačina Š.: Quantitative Tissue Characterization in Sonograms of Thyroid Gland, *Proceedings of the 10th World Congress on Medical Informatics*, London, United Kingdom, p. 948, September 2001.
- Smutek D., Šára R., Švec M., Sucharda P., Svačina Š.: Chronic Inflammatory Processes in Thyroid Gland – Texture Analysis of Sonographic Images, *Telematics in Health Care - Medical Infobahn for Europe*, MIE2000/GMDS2000 [CD-ROM], Berlin, Germany, August 2000.

Chapters in books

Smutek D.: Ultrasound examination in Thyroid Gland [Ultrazvukové vyšetření štítné žlázy] (2006), in: *Thyroid Gland [Štítná žláza]* (Limanova Z., ed.), Galén, Praha, 2006, pp. 65-78.

Review articles and papers in conference proceedings

Smutek D.: Quality Measurement of Lossy Compression in Medical Imaging. *Prague Medical Report* 106(1), pp. 5-26, 2005.

Holinka S., Sara R., Smutek D.: Can The Presence or Absence of Thyroid Antibodies Be Predicted from Ultrasonographic Images? In BIOSIGNAL 2006: Proceedings of the 18th Biennial International EURASIP Conference, VUTiUM Press, Brno, Czech Republic, 2006, pp. 296-298, ISBN 80-214-3152-0.

Shimizu A., Ohno R., Ikegami T., Kobatake H., Nawano S., Smutek D.: Simultaneous Extraction of Multiple Organs from Abdominal CT. In Proceedings of the 2nd International Symposium on Intelligent Assistance in Diagnosis of Multi-Dimensional Medical Images, Osaka, Japan, pp. 42-49, 2006.

Ohno R., Sakurai H., Smutek D., Shimizu D., Kobatake H., Nawano S.: Improvement of simultaneous segmentation of multi-organ based on estimation of feature distribution parameters, IEICE Technical Report, MI2005-106, pp.159-162, 2006 (in Japanese)

Yanagita T., Shimizu A., Sakurai H., Yao C., Wada T., Smutek D., Kobatake H., Nawano S.: Improvement of multi-organ segmentation from abdominal CT image based on eigen shape, IEICE Technical Report, MI2005-82, pp.65-68, 2006 (in Japanese)

Smutek D., Jiskra J., Kršek M.: [Elearning course Essentials of Endocrinology] Elearningový kurz základy endokrinologie. In Medsoft 2006, Zeithamlová Milena, ing. - Agentura Action M, Prague, Czech Republic, 2006, pp. 165-170, ISBN: 80-86742-12-1.

Jiskra J., Antosova M., Barkmanova J., Smutek D., Limanova Z.: Increased prevalence of antibodies against thyroid peroxidase positivity is specific for women with breast cancer and is not present with colorectal cancer [Zvýšená prevalence pozitivita protilátek proti tyreoidální peroxidáze je specifická pro ženy s karcinomem prsu a nevyskytuje se u kolorektálního karcinomu]. In: Edukační sborník, 30. Brněnské onkologické dny. Czech Republic, Brno, 2006, pp. 154-157, 80-86793-06-0

Smutek D., Jiskra J., Kotrlíková E., Křížová J.: [Relapse of Thyrotoxicosis in spite of Repeated Surgeries and a Total Thyroidectomy] Relabující tyreotoxikóza i přes reoperace a opakovaně deklarovanou totální tyreoidektomii. Kasuistiky v diabetologii 3(2), pp. 40-41, 2005.

Smutek D., Tesar L.: [Freeware solution of DICOM server with low requirement on hardware] Freewareové řešení DICOM serveru s nízkými nároky na hardwarové vybavení. In Medsoft 2005, Zeithamlová Milena, ing. - Agentura Action M, Prague, Czech Republic, 2005, pp. 171-175, ISBN: 80-86742-07-5.

Smutek D., Svec M., Sara R., Sucharda P.: Experience with Using On-line Classification of Ultrasound Findings in Thyroid Gland, Possibilities for Integration to PACS (Zkušenosti s použitím on-line klasifikace ultrazvukových nálezů štítné žlázy, možnosti integrace do PACS). In Medsoft 2004, Zeithamlová Milena, ing. - Agentura Action M, Prague, Czech Republic, 2004, pp. 125-128, ISBN 80-86742-04-0.

Šára R., Švec M., Smutek D., Sucharda P., Svačina Š.: Texture Analysis of Sonographic Images for Diffusion Processes Classification in Thyroid Gland Parenchyma, Proceedings Conference Analysis of Biomedical Signals and Images, Brno, Czech Republic, pp. 210-212, June 2000.

Šára R., Švec M., Smutek D., Sucharda P., Svačina Š.: Diffusion Process Classification in Thyroid Gland Parenchyma Based on Texture Analysis of Sonographic Images: Preliminary Results, Proceeding of the Czech Pattern Recognition Workshop, Peršlák, Czech Republic, pp. 45-47, February 2000.

Abstracts in conference proceedings and journals

Potlukova E., J. Jiskra, Z. Limanova, P. Sandova, D. Smutek, H. Mareckova, B. Schneider, M. Antosova, and M. Trendelenburg. 2007. Autoantibodies against complement C1q correlate with the thyroid function in patients with autoimmune thyroid disease. *Molecular Immunology* 44:3941. IF = 4.768

Telička Z., Jiskra J., Antořová M., Límanová Z., Smutek D.: Database application for clinical research in endocrinology, metabolism and ultrasonography [Databázová aplikace pro podporu klinického výzkumu v endokrinologii, metabolismu a sonografii]. In: Sborník abstraktů, 30. endokrinologické dny s mezinárodní účastí. ČR, Hradec Králové, 2007, NUCLEUS HK. 978-80-86225-32-1, pp 169-169.

Maruna P., Lindner J., Gurlich R., Smutek D., Maruna Z.: Procalcitonin Response After Pulmonary Endarterectomy, Relations to Cytokine Network. In Abstract book of Second International Medical Congress of Armenia, 2007, p. 245.

Smutek D., Cermakova I., Jiskra J., Potlukova E., Tesar L.: Selenium and its Relation to Thyroid Antibodies, Volume and Ultrasound Texture, In *Endocrine Abstracts*, 14, Bioscientifica, Bristol, 2007, P292, ISSN 1470-3947.

Potlukova E., Jiskra J., Sandova P., Limanova Z., Smutek D., Mareckova H., Antosova M., Trendelenburg M.: The prevalence of anti-C1q antibodies is increased in autoimmune thyroid disorders. In *Endocrine Abstracts*, 14, Bioscientifica, Bristol, 2007, P304, ISSN 1470-3947.

Smutek D., Jiskra J., Kršek M.: Elearning course *Essentials of Endocrinology*. Bratislava Medical Journal 107(4), 2006, p. 168.

Smutek D., Sara R., Holinka S., Kybic J., Tesar L., Jiskra J., Maruna P.: Ultrasound Image of Chronic Thyroiditis and its Relation to Antithyroid Antibodies. *Ultrasound in Medicine and Biology* 32(5S), pp. 120, 2006.

Jiskra J., Antosova M., Potlukova E., Lacinova Z., Mareckova H., Sandova P., Smutek D., Limanova Z.: Soluble interleukin 2 receptor is elevated in sera of women with Graves' disease and has relation to serum free thyroxin and thyroid volume. In *Endocrine Abstracts*, 11, Bioscientifica, Glasgow, 2006, pp. 242

Jiskra J., Limanova Z., Antosova M., Smutek D., Barkmanova J., Potlukova E.: [Breast Cancer and Other Malignancies in Women with Thyroid disorders] Karcinom prsu a jiné malignity u žen s tyreopatiemi. In *Diabetologie metabolismus endokrinologie výživa*, 4, 2005, pp. 201

Tesar L., Smutek D.: Ultrasonography Diagnostics Using Gaussian Mixture Model. In: *Abstract Proceedings of the 6th International PhD Workshop on Systems and Control, Young Generation Viewpoint*, Izola, Simonov zaliv, Slovenia, 2005, pp. 94

Potlukova E., Sandova P., Jiskra J., Limanova Z., Smutek D., Mareckova H.: The prevalence of anti-C1q antibodies in autoimmune thyroid disorders. In: *European Journal of Clinical Investigation*, Germany, 0014-2972. 2006, 36, Suppl. 1, p. 9. IF = 2.684

Potlukova E., Jiskra J., Limanova Z., Sandova P., Smutek D., Mareckova H.: Increased prevalence of anti-C1q antibodies in autoimmune thyroid disorders. In *ECE 2005, European Congress of Endocrinology*, Goteborg, Sweden, 2005, pp. 249

Potlukova E., Sandova P., Jiskra J., Jancova E., Tesar V., Limanova Z., Smutek D., Mareckova H.: The presence of anti C1q antibodies in selected autoimmune diseases. In *EAACI 2006, 25th Congress of the European Academy of Allergy and Clinical Immunology*, Austria, 2006. p. 251.

Sandova P., Potlukova E., Jiskra J., Limanova Z., Smutek D., Mareckova H.: [Clinical relevance of anti-C1q antibodies] Klinický význam protilátek proti C1q. In: *Sbornik abstrakt, Zjazd slovenských a českých alergológov a klinických imunológov*, Prešov, Slovakia, 22, 2005, pp. 29-29.

Antosova M., Jiskra J., Smutek D., Limanova Z.: [Serum Levels of Bcl-2 and Their Relation to Quantitative Texture Parameters of Sonogram of Thyroid Gland in Patients with Breast Cancer and Autoimmune Thyroid Disorders] Sérové koncentrace Bcl-2 a jejich vztah ke kvantitativním parametrům textury sonogramu štítné žlázy u pacientek s karcinomem prsu a autoimunitními tyreopatiemi. In *XXVIII. Endokrinologické dny s mezinárodní účastí*, 2005, pp. 161

Jiskra J., Potlukova E., Antosova M., Smutek D., Limanova Z.: [Serum Levels of Soluble Receptor for Interleukin-2 and Bcl-2 in the Persons with Autoimmune Thyroid Disorders and with Breast Cancer] Sérové hladiny solubilního receptoru pro Interleukin-2 a Bcl-2 u osob s autoimunitními tyreopatiemi a karcinomem prsu. In *XXVIII. Endokrinologické dny s mezinárodní účastí*, 2005, pp. 131

Potlukova E., Jiskra J., Limanova Z., Sandova P., Smutek D., Mareckova H.: [Prevalence of Antibodies anti-C1q in Thyroid Disorders] Prevalence protilátek proti C1q u tyreopatií. In *XXVIII. Endokrinologické dny s mezinárodní účastí*, 2005, pp. 165

Jiskra J., Limanova Z., Smutek D., Barkmanova J., Potlukova E.: [Prevalence of Breast Carcinoma in Women with Autoimmune and Non-autoimmune Thyroid Diseases Followed in Endocrinology Department] Prevalence karcinomu prsu u žen s autoimunitními a neautoimunitními tyreopatiemi sledovaných v endokrinologické ambulanci. In *Edukační sborník - XXIX. Brněnské onkologické dny*, 2005, pp. 224

Smutek D.: [Correlation of histology and imaging methods in evaluation of liver steatosis - pilot study] Korelace histologie a zobrazovacích metod v hodnocení jaterní steatózy - pilotní studie. In *Vlk, Daniel and Mornstein, Vojtech (Ed.) XXVIII. Dny lékařské biofyziky - sborník abstrakt, Masarykova univerzita v Brně*, 2005, pp. 80, ISBN 80-210-3695-8.

Kybic J., Smutek D.: [Estimation of Tissues Elastic Properties from Ultrasound Data] Odhadování elastických vlastností tkání z ultrazvukových dat. In *Vlk, Daniel and Mornstein, Vojtech (Ed.) XXVIII. Dny lékařské biofyziky - sborník abstrakt, Masarykova univerzita v Brně*, 2005, pp. 54, ISBN 80-210-3695-8.

Jiskra J., Smutek D., Barkmanova J., Limanova Z., Potlukova E. & Sucharda P.: [Serum Levels of Antithyroid Antibodies Correlate with Quantitative Features of Ultrasound Image of Thyroid Gland in Patients with breast carcinoma] Sérové hladiny antityreoidálních protilátek korelují s kvantitativními ukazateli sonografického obrazu štítné žlázy u pacientek s karcinomem prsu. in: Vybrané otázky onkologie VIII. (Abrahamova J., ed.), Galén, Praha, pp. 133-134, 2004

Jiskra,J., Smutek,D., Limanova,Z., Strauch,B., Zelinka,T.: Prevalence of Thyroid Disorders in Patients with Tumors and Adrenal Hyperplazia - Retrospective Study (Prevalence tyreopatií u pacientů s tumory a hyperplaziemi nadledvin - retrospektivní studie). Diabetologie Metabolismus Endokrinologie Výživa 7(3), pp. 148, 2004.

Smutek,D., Jiskra,J., Tesar,L.: Prove of a Linkage between Autoimmune Thyroid and Oncological Disorders by Thyroid Ultrsound (Průkaz vazby autoimunitních tyreopatií a onkologických onemocnění pomocí ultrazvukového vyšetření štítné žlázy). Interna Medicina 4(S3), pp. 42S-43S, 2004.

Smutek,D., Jiskra,J., Limanova,Z., Sucharda,P., Tesar,L.: Computer Thyroid Ultrasonogram Analysis Helps to Find and Treat Borderline Patients. Turkish Journal of Endocrinology and Metabolism 8(Supplement 1), pp. 153, 2004.

Smutek D., Sara R., Jiskra J., Tesar L.: Ultrasound of Thyroid Gland – What Is Hidden Inside and Physician Does Not See. In Čikeš, Nada (Ed.) Liječnički Vjesnik; Abstracts from European Congress on Ultrasound in Medicine and Biology 126 (Suppl. 2), Kratis - Zagreb, Zagreb, Croatia, 2004, pp. 57

Sucharda P., Smutek D., Jiskra J., Sara R., Svacina S.: Body Mass and Texture Analysis of Ultrasonographical Images of the Thyroid Gland. In International Journal of Obesity and related metabolic disorders; 13th European Congress on Obesity, 28 (Supplement 1), Prague, 2004, pp. 129.

Jiskra J., Limanova Z., Smutek D.: Thyroid disorders in patients with primary hyperaldosteronism, tumors of adrenal glands and adrenal hyperplasias (Tyreopatie u pacientů s primárním hyperaldosteronismem, tumory nadledvin a adrenálními hyperplaziemi). In Cap, Jan (Ed.) 2. Hradecký postgraduální kurz v endokrinologii, Nukleus HK, Hradec Kralove, Czech Republic, 2004, pp. 77-78, ISBN 80-86225-49-6.

Smutek D., Tesar L.: First Experience with Ultrasound Texture Analysis Application in Quantification of Liver Steatosis in Patients with Metabolic Syndrom (První zkušenosti s aplikací analýzy textury ultrasonogramu v kvantifikaci jaterní steatózy u nemocných s metabolickým syndromem). In XXVII. Dny lékařské biofyziky 2004 - sborník abstrakt, 2004, pp. 51

Feberová J., Kasal P., Naidr J., Potůčková R., Smutek D., Dostálová T., Toušová M.: Image Documentation Archive for Medical Education (Archiv obrazové dokumentace pro výuku medicíny). In XXVII. Dny lékařské biofyziky 2004 - sborník abstrakt, 2004, pp. 68

Kasal P., Janda A., Adla T., Feberová J., Naidr J., Potůčková R., Smutek D., Dostálová T.: Database of web sources for medical education (Databáze webových zdrojů pro výuku medicíny). In XXVII. Dny lékařské biofyziky 2004 - sborník abstrakt, 2004, pp. 69

Smutek D., Knap T., Hederman L., Wade V.: Clinical Guidelines and Their Relation to Clinical Workflow in Diabetes Mellitus. In: Zvarova J. et al. (Ed.) Proceedings of the International Joint Meeting Euromise 2004, EuroMISE, Praha, 2004, p. 123, ISBN 80-903431-0-4.

Štuka Č., Smutek D.: Do We Choose Proper Students for Studying Medicine? In: Zvarova J. et al. (Ed.) Proceedings of the International Joint Meeting Euromise 2004, EuroMISE, Praha, 2004, p. 119, ISBN 80-903431-0-4.

Smutek D., Sucharda P., Šára R.: Autoimmune Thyroiditis – What an Objectification of Ultrasound Examination Allows (Autoimunní tyreoiditida – co umožňuje objektivizace ultrasonografického vyšetření), Diabetologie, Metabolismus, Endokrinologie, Výživa, 6, Supplementum 2, Liberec, Czech Republic, p. 16, October 2003. ISSN 1211-9326.

Smutek D., Šára R., Sucharda P.: Image Reconstruction Analysis in Lymphocytic Thyroiditis Ultrasound. In: Allen B. and Lovell N. (Eds) IFMBE Proceedings, World Congress on Medical Physics and Biomedical Engineering, August 24-29, 2003. Sydney, Australia [CD-ROM], ISSN 1727-1983, ISBN 1-877040-14-2.

Smutek D., Kofránek J., Maruna P.: Mathematical Model of Cytokines and Acute Phase Proteins Induction after Polytrauma and after Infectious Stimulus. Potential Diagnostic Context. In International Trauma Congress, 11-14 June 2003, Durban, South Africa, p 51.

Smutek D.: Ultrasonogram of thyroid gland, its analysis and relation to clinical indicators (Ultrasonogram štítné žlázy, jeho analýza a vztah ke klinickým ukazatelům). In Foltýnová V. et al (Eds) Sborník abstrakt XXVI. dnů lékařské biofyziky Senohraby - Ježov 2003, 1. vydání, AZ - Tisk Praha 2003, p 73, ISBN 80-239-0497-3.

Smutek D., Sucharda P., Šára R., Svačina Š.: Ultrasound Image of the Thyroid Gland and its Relation to BMI, International Journal of Obesity and Related Metabolic Disorders, Vol 26, Supplement 1, 9th International Congress on Obesity, Sao Paulo, Brazil, p. S202, August 2002.

Smutek D., Hederman L., Wade V., Rahman Y., Nolan J.J.: Introducing Guidelines to Clinical Workflow in Diabetes Mellitus Diagnosis, Healthcare Informatics Society of Ireland, Annual Conference and Scientific Symposium, Dublin, Ireland, p. 10, November 2001.

Smutek D., Semecký J.: Possibilities of Application of Genetic Algorithms in Analysis of Sonograms of Thyroid Gland (Možnosti užití genetických algoritmů v analýze sonogram štítné žlázy), Diabetologie, Metabolismus, Endokrinologie, Výživa, 4, Supplementum 3, Hradec Králové, Czech Republic, p. 51, September 2001.

Smutek D., Tjahjadi T., Šára R., Švec M., Sucharda P., Svačina Š.: Quantitative Indicators of Ultrasonic Examination of Thyroid Gland (Kvalitativní ukazatele ultrazvukového vyšetření štítné žlázy), Diabetologie, Metabolismus, Endokrinologie, Výživa, 3, Supplementum 2, Košice, Slovak Republic, p. 16, October 2000.

Smutek D., Tjahjadi T., Šára R., Švec M., Sucharda P., Svačina Š.: Analysis of Texture of Sonograms of Thyroid Gland with Using Robust Statistics Methods (Analýza textury sonogramů štítné žlázy s využitím metod robustní statistiky), 1. studentská vědecká konference 1.lékařské fakulty UK, Praha, Czech Republic, p. 26, October 2000.

Smutek D., Sucharda P., Svačina Š., Šára R.: Possibilities of Computer Analysis of Sonograms with Diffusional Changes in Thyroidea (Možnosti počítačové analýzy sonogramů difuzních změn ve štítné žláze), Diabetologie, Metabolismus, Endokrinologie, Výživa, 2, Supplementum 1, Teplice, Czech Republic, pp. 35-36, October 1999.

Smutek D.: GYRUS BBS - The New Service of the Library of Medical Students' Association (GYRUS BBS - nová služba Knihovny Spolku mediků českých), Pelikán (the academical journal of the Medical Faculty), No 4, pp. 4-5, 1995.

last updated: 10 června 2008