













- <https://doi.org/10.1016/j.patrec.2013.05.013>
- [10] Cuingnet, R., Prevost, R., Lesage, D., Cohen L.D., Mory, B., Ardon, R. (2012). Automatic detection and segmentation of kidneys in 3D CT images using random forests. *Medical Image Computing and Computer-Assisted Intervention – MICCAI 2012: 15th International Conference, Nice, France, Proceedings, Part III*, pp. 66-74. [https://doi.org/10.1007/978-3-642-33454-2\\_9](https://doi.org/10.1007/978-3-642-33454-2_9)
- [11] Sharma, K., Rupprecht, C., Caroli, A., Aparicio, M.C., Remuzzi, A., Baust, M., Navab, N. (2017). Automatic segmentation of kidneys using deep learning for total kidney volume quantification in autosomal dominant polycystic kidney disease. *Scientific Reports*, 7: 2049. <https://doi.org/10.1038/s41598-017-01779-0>
- [12] Tsagaan, B., Shimizu, A., Kobatake, H., Miyakawa, K., Hanzawa, Y. (2001). Segmentation of kidney by using a deformable model. *International Conference on Image Processing, Greece*, 3: 1059-1062. <https://doi.org/10.1109/ICIP.2001.958309>
- [13] Tsagaan, B., Shimizu, A., Kobatake, H., Miyakawa, K. (2002). An automated segmentation method of kidney using statistical information. *Proc. Medical Image Computing and Computer Assisted Intervention*, 2488: 556-563. [https://doi.org/10.1007/3-540-45786-0\\_69](https://doi.org/10.1007/3-540-45786-0_69)
- [14] Lin, D.T., Lei, C.C., Hung, S.W. (2006). Computer-aided kidney segmentation on abdominal CT images. *IEEE Transactions on Information Technology in Biomedicine*, 10(1): 59-65. <https://doi.org/10.1109/TITB.2005.855561>
- [15] Song, H., Kang, W., Zhang, Q., Wang, S. (2015). Kidney segmentation in CT sequences using SKFCM and improved Grow Cut algorithm. *BMC Systems Biology*, 9(Suppl 5): S5. <https://doi.org/10.1186/1752-0509-9-S5-S5>
- [16] Yan, G., Wang, B.L. (2010). An automatic kidney segmentation from abdominal CT images. *IEEE International Conference on Intelligent Computing and Intelligent Systems*, 1: 280-284. <https://doi.org/10.1109/ICICISYS.2010.5658676>
- [17] Nedeveschi, S., Ciurte, A., Mile, G. (2008). Kidney CT image segmentation using multi-feature EM algorithm based on Gabor filters. *4th International Conference on Intelligent Computer Communication and Processing*, pp. 283-286. <https://doi.org/10.1109/ICCP.2008.4648387>
- [18] Natarajan, P., Singh, B.P., Dwivedi, S., Nancy, S. (2013). Kidney segmentation in CT - scan image. *International Journal of Scientific & Engineering Research*, 4(6): 221-225.
- [19] Akyar, H., Selver, M.A., Demir, K.G. (2008). Segmentation and registration of kidneys from contrast enhanced abdominal MR image. *Signal Processing and Communications Applications*, 330.
- [20] Nithya, A., Appahurai, A., Venkadatri, N., Ramji, D.R., Palagan, C.A. (2020). Kidney disease detection and segmentation using artificial neural network and multi-kernel k-means clustering for ultrasound images. *Measurement*, 149: 106952. <https://doi.org/10.1016/j.measurement.2019.106952>
- [21] Selvathi, D., Bama, S. (2017). Phase based distance regularized level set for the segmentation of ultrasound kidney images. *Pattern Recognition Letters*, 86: 9-17. <https://doi.org/10.1016/j.patrec.2016.12.002>
- [22] Banik, S., Rangayyan, R.M., Boag, G.S. (2010). Automatic segmentation of the ribs, the vertebral column, and the spinal canal in pediatric computed tomographic images. *J. Dig. Img.*, 23(3): 301-322. <https://doi.org/10.1007/s10278-009-9176-x>
- [23] Lu, R., Marziliano, P., Hua Thng, C. (2005). Liver tumor volume estimation by semi-automatic segmentation method. In *Proceedings of the IEEE Engineering in Medicine and Biology 27th Annual Conference*, 3: 3296-9. <https://doi.org/10.1109/IEMBS.2005.1617181>
- [24] Seo, K.S., Ludeman, L.C., Park, S.J., Park, J.A. (2004). Efficient liver segmentation based on the spine. *Springer Lecture Notes in Computer Science*, pp. 400-409. [https://doi.org/10.1007/978-3-540-30198-1\\_41](https://doi.org/10.1007/978-3-540-30198-1_41)
- [25] Li, M., Zheng, X.L., Wang, X.P., Lin, Y., Zhang, S.X., Tan, L.W. (2011). Segmentation of brain tissue based on connected component labeling and mathematic morphology. *4th International Conference on Biomedical Engineering and Informatics (BMEI)*, pp. 482-485. <https://doi.org/10.1109/BMEI.2011.6098294>
- [26] He, L., Ren, X., Gao, Q., Zhao, X., Yao, B., Chao, Y. (2017). The connected-component labeling problem: A review of state-of-the-art algorithms. *Pattern Recognition*, 70: 25-43. <https://doi.org/10.1016/j.patcog.2017.04.018>
- [27] Hossam, M.M., Hassanien, A.E., Shoman, M. (2010). 3D brain tumor segmentation scheme using K-mean clustering and connected component labeling algorithms. *10th International Conference on Intelligent Systems Design and Applications*, pp. 320-324. <https://doi.org/10.1109/ISDA.2010.5687244>
- [28] Dhanachandra, N., Mangle, K., Chanu, Y.J. (2015). Image segmentation using K-means clustering algorithm and subtractive clustering algorithm. *Procedia Computer Science*, 54: 764-771. <https://doi.org/10.1016/j.procs.2015.06.090>
- [29] Han, C.Y. (2017). Improved SLIC image segmentation algorithm based on K-means. *Cluster Computing*, 20(2): 1017-1023. <https://doi.org/10.1007/s10586-017-0792-9>
- [30] Thada, V., Jaglan, V. (2013). Comparison of Jaccard, dice, cosine similarity coefficient to find best fitness value for web retrieved documents using genetic algorithm. *IJNET*, 2(4): 202-205.
- [31] Alkan, A., Tuncer, S.A., Gunay, M. (2014). Comparative MR image analysis for thyroid nodule detection and quantification. *Measurement*, 47: 861-868. <https://doi.org/10.1016/j.measurement.2013.10.009>
- [32] Bertels, J., Eelbode, T., Berman, M., Vandermeulen, D., Maes, F., Bisschops, R., Blaschko, M. (2019). Optimizing the dice score and Jaccard index for medical image segmentation: Theory and practice. *International Conference on Medical Image Computing and Computer-Assisted Intervention*, pp. 92-100. [https://doi.org/10.1007/978-3-030-32245-8\\_11](https://doi.org/10.1007/978-3-030-32245-8_11)