DAFTAR PUSTAKA

Adaloglou, N. (2020). Transfer learning in medical imaging: classification and segmentation (internet). <https://theaisummer.com/medical-imaging-transfer-learning/> (diakses 26 April 2024).

Agrawal, P., Girshick, R., and Malik, J. (2014). Analyzing the performance of multilayer neural networks for object recognition. In *Computer Vision–ECCV 2014: 13th European Conference, Zurich, Switzerland, September 6-12, 2014, Proceedings, Part VII 13*, pages 329–344. Springer.

Ahmed, I., Ahmad, M., and Jeon, G. (2021). A real-time efficient object segmentation system based on u-net using aerial drone images. *Journal of Real-Time Image Processing*, 18:1745–1758.

Ajmera, G. (2023). Decoding activation functions: Navigating the landscape for image segmentation (internet). Medium. <https://medium.com/@girishajmera/decoding-activation-functions-navigating-the-landscape-for-image-segmentation-f091e971e475> (diakses 22 Juni 2024).

Alulema, A. (2017). Activation functions (updated) (internet). <https://www.alexisalulema.com/2017/10/15/activation-functions-in-tensorflow/> (diakses 22 Juni 2024).

Avesta, A., Hossain, S., Lin, M., Aboian, M., Krumholz, H. M., and Aneja, S. (2023). Comparing 3d, 2.5 d, and 2d approaches to brain image auto-segmentation. *Bioengineering*, 10(2):181.

Ayrik, C., Cece, H., Aslan, O., Karcioglu, O., and Yilmaz, E. (2006). Seeing the invisible: painless aortic dissection in the emergency setting. *Emergency Medicine Journal*, 23(3):e24–e24.

Barreto., S. (2024). What is fine-tuning in neural networks? Baeldung on Computer Science. <https://www.baeldung.com/cs/fine-tuning-nn> (Accessed: 22 June 2024).

Benson, R. A., Patterson, B. O., and Loftus, I. M. (2015). Diagnosis and management of thoracic aortic dissection: An update. *World Journal of Hypertension*, 5(2):79–84.

Campos, A. (2024, May). Aortic dissection: Radiology reference article (internet). Radiopaedia. <https://radiopaedia.org/articles/aortic-dissection> (diakses 18 Mei 2024).

Chakraborty, C., Malhotra, P., Gupta, S., Koundal, D., Zaguia, A., and Enbeyle, W. (2022). Deep neural networks for medical image segmentation. *J. Healthc. Eng*.

Daily, P. O. (1970). Management of acute aortic dissections. *Ann Thorac Surg*, 10:237–247.

De Bakey, M. E., Henly, W. S., Cooley, D. A., Morris Jr, G. C., Crawford, E. S., and Beall Jr, A. C. (1965). Surgical management of dissecting aneurysms of the aorta. *The Journal of thoracic and cardiovascular surgery*, 49(1):130–149.

Erbel, R., Aboyans, V., Boileau, C., Bossone, E., Di Bartolomeo, R., Eggebrecht, H., Evangelista, A., Falk, V., Frank, H., Gaemperli, O., et al. (2014). 2014 esc guidelines on the diagnosis and treatment of aortic diseases. *Kardiologia Polska (Polish Heart Journal)*, 72(12):1169–1252.

Erbel, R., Alfonso, F., Boileau, C., Dirsch, O., Eber, B., Haverich, A., Rakowski, H., Struyven, J., Radegran, K., Sechtem, U., Taylor, J., Zollikofer, C., Klein, W. W., Mulder, B., and Providencia, L. A. (2001). Diagnosis and management of aortic dissection. *European Heart Journal*, 22(18):1642–1681. Task Force on Aortic Dissection, European Society of Cardiology.

Erhan, D., Courville, A., Bengio, Y., and Vincent, P. (2010). Why does unsupervised pre-training help deep learning? In *Proceedings of the thirteenth international conference on artificial intelligence and statistics*, pages 201–208. JMLR Workshop and Conference Proceedings.

Fleischmann, D., Afifi, R. O., Casanegra, A. I., Elefteriades, J. A., Gleason, T. G., Hanneman, K., Roselli, E. E., Willemink, M. J., Fischbein, M. P., on Cardiovascular Radiology, A. H. A. C., Intervention; Council on Arteriosclerosis, T., on Clinical Cardiology;, V. B. C., on Cardiovascular Surgery, C., and Anesthesia (2022). Imaging and surveillance of chronic aortic dissection: a scientific statement from the american heart association. *Circulation: Cardiovascular Imaging*, 15(3):e000075.

Fournel, J., Bartoli, A., Bendahan, D., Guye, M., Bernard, M., Rauseo, E., Khanji, M. Y., Petersen, S. E., Jacquier, A., and Ghattas, B. (2021). Medical image segmentation automatic quality control: A multi-dimensional approach. *Medical Image Analysis*, 74:102213.

Fukui, T. (2018). Management of acute aortic dissection and thoracic aortic rupture. *Journal of Intensive Care*, 6:1–8.

Ganguly, D., Chakraborty, S., Balitanas, M., and Kim, T.-h. (2010). Medical imaging: A review. In *Security-Enriched Urban Computing and Smart Grid: First*

International Conference, SUComS 2010, Daejeon, Korea, September 15-17, 2010. Proceedings, pages 504–516. Springer.

Gaul, C., Dietrich, W., Friedrich, I., Sirch, J., and Erbguth, F. J. (2007). Neurological symptoms in type a aortic dissections. *Stroke*, 38(2):292–297.

Gawinecka, J., Schönrath, F., and von Eckardstein, A. (2017). Acute aortic dissection: pathogenesis, risk factors and diagnosis. *Swiss medical weekly*, 147(3334):w14489–w14489.

Girshick, R., Donahue, J., Darrell, T., and Malik, J. (2014). Rich feature hierarchies for accurate object detection and semantic segmentation. In *Proceedings of the IEEE conference on computer vision and pattern recognition*, pages 580–587.

Glorot, X., Bordes, A., and Bengio, Y. (2011). Deep sparse rectifier neural networks. In *Proceedings of the fourteenth international conference on artificial intelligence and statistics*, pages 315–323. JMLR Workshop and Conference Proceedings.

Haque, I. R. I. and Neubert, J. (2020). Deep learning approaches to biomedical image segmentation. *Informatics in Medicine Unlocked*, 18:100297.

Hesamian, M. H., Jia, W., He, X., and Kennedy, P. (2019). Deep learning techniques for medical image segmentation: achievements and challenges. *Journal of digital imaging*, 32:582–596.

Horvath, J., Zolotova, I., and Madarász, L. (2004). Contribution to segmentation of digital images based on clustering. In *Second IEEE International Conference on Computational Cybernetics, 2004. ICCC 2004.*, pages 89–93. IEEE.

Hu, Z., Zhang, J., and Ge, Y. (2021). Handling vanishing gradient problem using artificial derivative. *IEEE Access*, 9:22371–22377.

Iman, M., Arabnia, H. R., and Branchinst, R. M. (2021). Pathways to artificial general intelligence: a brief overview of developments and ethical issues via artificial intelligence, machine learning, deep learning, and data science. *Advances in Artificial Intelligence and Applied Cognitive Computing: Proceedings from ICAI'20 and ACC'20*, pages 73–87.

Jegorova, M., Kaul, C., Mayor, C., O'Neil, A. Q., Weir, A., Murray-Smith, R., and Tsaftaris, S. A. (2022). Survey: Leakage and privacy at inference time. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 45(7):9090–9108.

Kablan, E. B., Dogan, H., Ercin, M. E., Ersoz, S., and Ekinci, M. (2020). An ensemble of fine-tuned fully convolutional neural networks for pleural effusion cell nuclei segmentation. *Computers & Electrical Engineering*, 81:106533.

Karatas, O. H. and Toy, E. (2014). Three-dimensional imaging techniques: A literature review. *European journal of dentistry*, 8(01):132–140.

Khaledyan, D., Marini, T. J., O'Connell, A., and Parker, K. (2023). Enhancing breast ultrasound segmentation through fine-tuning and optimization techniques: Sharp attention unet. *bioRxiv*.

Kumamaru, K. K., Hoppel, B. E., Mather, R. T., and Rybicki, F. J. (2010). Ct angiography: current technology and clinical use. *Radiologic Clinics*, 48(2):213–235.

Kumar, A., Jiang, H., Imran, M., Valdes, C., Leon, G., Kang, D., Nataraj, P., Zhou, Y., Weiss, M. D., and Shao, W. (2024). A flexible 2.5 d medical image segmentation approach with in-slice and cross-slice attention. *arXiv preprint arXiv:2405.00130*.

Kumar, A., Shen, R., Bubeck, S., and Gunasekar, S. (2022). How to fine-tune vision models with sgd. *arXiv preprint arXiv:2211.09359*.

Lee, N., Tek, H., and Laine, A. F. (2008). True-false lumen segmentation of aortic dissection using multi-scale wavelet analysis and generative-discriminative model matching. In *Medical Imaging 2008: Computer-Aided Diagnosis*, volume 6915, pages 878–888. SPIE.

LePage, M. A., Quint, L. E., Sonnad, S. S., Deeb, G. M., and Williams, D. M. (2001). Aortic dissection: Ct features that distinguish true lumen from false lumen. *American Journal of Roentgenology*, 177(1):207–211.

Li, D., Ye, L., He, Y., Cao, X., Liu, J., Zhong, W., Cao, L., Zeng, R., Zeng, Z., Wan, Z., et al. (2016). False lumen status in patients with acute aortic dissection: a systematic review and meta-analysis. *Journal of the American Heart Association*, 5(5):e003172.

Lim, C. C., Ling, A. H. W., Chong, Y. F., Mashor, M. Y., Alshantti, K., and Aziz, M. E. (2023). Comparative analysis of image processing techniques for enhanced mri image quality: 3d reconstruction and segmentation using 3d u-net architecture. *Diagnostics*, 13(14):2377.

Malhotra, P., Gupta, S., Koundal, D., Zaguia, A., Enbeyle, W., et al. (2022). Deep neural networks for medical image segmentation. *Journal of Healthcare Engineering*, 2022.

Mori, F., Ohtake, H., Watanabe, G., and Matsuzawa, T. (2013). Numerical simulation in ulcer-like projection due to type b aortic dissection with complete thrombosis type. In *Aortic Aneurysm-Recent Advances*. IntechOpen.

Morotti, A., Busso, M., Cinardo, P., Bonomo, K., Angelino, V., Cardinale, L., Veltri, A., Guerrasio, A., et al. (2015). When collateral vessels matter: asymptomatic leriche syndrome. *Clinical Case Reports*, 3(11):960–961.

Mulay, S., Deepika, G., Jeevakala, S., Ram, K., and Sivaprakasam, M. (2020). Liver segmentation from multimodal images using hed-mask r-cnn. In *Multiscale Multimodal Medical Imaging: First International Workshop, MMMI 2019, Held in Conjunction with MICCAI 2019, Shenzhen, China, October 13, 2019, Proceedings 1*, pages 68–75. Springer.

Muller, D., Soto-Rey, I., and Kramer, F. (2022). Towards a guideline for evaluation metrics in medical image segmentation. *BMC Research Notes*, 15(1):1–8.

Nienaber, C. A. and Eagle, K. A. (2003). Aortic dissection: new frontiers in diagnosis and management: Part i: from etiology to diagnostic strategies. *Circulation*, 108(5):628–635.

Organization, W. H. (2022). Ethics and medical radiological imaging: a policy brief for health-care providers (internet). <https://www.who.int/publications/i/item/9789240047785> (diakses 31 Mei 2024).

Padmapriya, S. and Parthasarathy, S. (2023). Ethical data collection for medical image analysis: a structured approach. *Asian Bioethics Review*, pages 1–14.

Prakash, K. B., Ruwali, A., and Kanagachidambaresan, G. (2021). Introduction to tensorflow package. *Programming with TensorFlow: Solution for Edge Computing Applications*, pages 1–4.

Purnama, I. K. E., Yuniarno, E. M., Purnomo, M. H., et al. (2022). Activation function selection for u-net multi-structures segmentation of end-diastole and end-systole frames of cine cardiac mri. In *2022 IEEE International Conference on Imaging Systems and Techniques (IST)*, pages 1–6. IEEE.

Romanchak, M. (2023). Why are ct scans so expensive at the hospital (internet). <https://sjra.com/why-are-ct-scans-so-expensive-at-the-hospital/> (diakses 04 Juli 2024).

Ronneberger, O., Fischer, P., and Brox, T. (2015). U-net: Convolutional networks for biomedical image segmentation. In *Medical Image Computing and Computer-Assisted Intervention–MICCAI 2015: 18th International Conference, Munich, Germany, October 5-9, 2015, Proceedings, Part III 18*, pages 234–241. Springer.

Rosebrock, A. (2016). Intersection over union (iou) for object detection (internet). *PYImageSearch*. <https//www. pyimagesearch. com/2016/11/07/intersection-over-union-iou-for-object-detection> (diakses 23 Juni 2024).

Rubin, G. D., Leipsic, J., Schoepf, U. J., Fleischmann, D., and Napel, S. (2014). Ct angiography after 20 years: a transformation in cardiovascular disease characterization continues to advance. *Radiology*, 271(3):633–652.

Sagar, S. (2017a). Activation functions in neural networks (internet). Towards Data Science. <https://towardsdatascience.com/activation-functions-neural-networks> (diakses 20 Mei 2024).

Sagar, S. (2017b). Epoch vs batch size vs iterations (internet). Towards Data Science. <https://towardsdatascience.com/epoch-vs-iterations-vs-batch-size-4dfb9c7ce9c9> (diakses 26 April 2024).

Sai P. Chenna, Bhavesh Patel, H. L. (2023). Memory consumption modeling of deep learning workloads (internet). Dell Technologies. <https://infohub.delltechnologies.com/en-us/l/memory-consumption-modeling-of-deep-learning-workloads/introduction-3291/> (diakses 29 Juni 2024).

Sharma, N. and Aggarwal, L. M. (2010). Automated medical image segmentation techniques. *Journal of medical physics/Association of Medical Physicists of India*, 35(1):3.

Shimizu, R., Sumi, M., Murakami, Y., and Ohki, T. (2022). False lumen thrombus following aortic dissection diagnosed as the source of repeat lower extremity emboli with angioscopy: a case report. *Surgical Case Reports*, 8(1):1–6.

Shukla, N. and Fricklas, K. (2018). *Machine learning with TensorFlow*. Manning Greenwich.

Song, Z., Chai, S., and Zhu, E. (2022). Segmentation of aorta with aortic dissection based on centerline and boundary distance. In *2022 41st Chinese Control Conference (CCC)*, pages 7292–7297. IEEE.

Studio, A. U. (2003). The difference between 2d, 3d, 4d, hd and 5d ultrasounds (internet). <https://anticipationultrasoundstudio.com/the-difference-between-2d-3d-4d-and-5d-ultrasounds/> (diakses 22 Juni 2024).

Thoma, M. (2016). A survey of semantic segmentation. *arXiv preprint arXiv:1602.06541*.

Towards AI (2023). How i built supervised skin lesion segmentation on ham10000 dataset. Towards AI. <https://towardsai.net/p/machine-learning/how-i-built-supervised-skin-lesion-segmentation-on-ham10000-dataset> (diakses 23 Juni 2024).

Tran, T. P. and Khoynezhad, A. (2009). Current management of type b aortic dissection. *Vascular health and risk management*, pages 53–63.

Trimarchi, S., Tolenaar, J. L., Jonker, F. H., Murray, B., Tsai, T. T., Eagle, K. A., Rampoldi, V., Verhagen, H. J., Van Herwaarden, J. A., Moll, F. L., et al. (2013). Importance of false lumen thrombosis in type b aortic dissection prognosis.

Tsai, M.-T., Wu, H.-Y., Roan, J.-N., Tsai, Y.-S., Hsieh, P. C., Yang, Y.-J., and Luo, C.-Y. (2014). Effect of false lumen partial thrombosis on repaired acute type a aortic dissection. *The Journal of thoracic and cardiovascular surgery*, 148(5):2140–2146.

Tsai, T. T., Evangelista, A., Nienaber, C. A., Myrmel, T., Meinhardt, G., Cooper, J. V., Smith, D. E., Suzuki, T., Fattori, R., Llovet, A., et al. (2007). Partial thrombosis of the false lumen in patients with acute type b aortic dissection. *New England Journal of Medicine*, 357(4):349–359.

Van Rossum, G. and Drake, F. L. (2003). *An introduction to Python*. Network Theory Ltd. Bristol.

Wang, F., Silvestre, G., and Curran, K. M. (2023). Evaluate fine-tuning strategies for fetal head ultrasound image segmentation with u-net. *arXiv preprint arXiv:2307.09067*.

Wu, J., Song, J., Li, X., Yang, J., Yu, C., Zhou, C., Sun, T., and Fan, R. (2022). Is partially thrombosed false lumen really a predictor for adverse events in uncomplicated type b aortic dissection: a systematic review and meta-analysis? *Frontiers in Cardiovascular Medicine*, 8:788541.

Yang, Z., Gao, W., Luo, C., Wang, L., Tang, F., Wen, X., and Zhan, J. (2022). Quality at the tail. *arXiv preprint arXiv:2212.13925*.

Yao, Z., Xie, W., Zhang, J., Dong, Y., Qiu, H., Yuan, H., Jia, Q., Wang, T., Shi, Y., Zhuang, J., et al. (2021). Imagetbad: A 3d computed tomography angiography image dataset for automatic segmentation of type-b aortic dissection. *Frontiers in Physiology*, page 1611.

Yonker, S. B., Korshak, O. O., Hedstrom, T., Wu, A., Atre, S., and Schulze, J. P. (2019). 3d medical image segmentation in virtual reality. *Electronic Imaging*, 2019(2):188–1.

Younisse, R., Ghnemat, R., and Al Saraireh, J. (2023). Fine-tuning u-net for medical image segmentation based on activation function, optimizer and pooling layer. *International Journal of Electrical & Computer Engineering (2088-8708)*, 13(5).

Yuan, X., Mitsis, A., Ghonem, M., Iakovakis, I., and Nienaber, C. A. (2018). Conservative management versus endovascular or open surgery in the spectrum of type b aortic dissection. *Journal of Visualized Surgery*, 4.

Yuan, X., Mitsis, A., and Nienaber, C. A. (2022). Current understanding of aortic dissection. *Life*, 12(10):1606.

Zewe, A. (2021). Technique enables real-time rendering of scenes in 3d (internet). <https://news.mit.edu/2021/3-d-image-rendering-1207> (diakses 20 Juni 2024).