**References:**

[1] Abdalla EK, Vauthey JN, Ellis LM, et al. "Recurrence and outcomes following hepatic resection, radiofrequency ablation, and combined resection/ablation for colorectal liver metastases." *Ann Surg.* 2004 ;239(6):818-827. doi:10.1097/01.sla.0000128305.90650.71.

[2] Leung U, Gönen M, Allen PJ, Kingham TP, DeMatteo RP, Jarnagin WR, D'Angelica MI. Colorectal Cancer Liver Metastases and Concurrent Extrahepatic Disease Treated With Resection. *Ann Surg*. 2017;265:158–165.

[3] Ruers T, Van Coevorden F, Punt CJ, et al. Local Treatment of Unresectable Colorectal Liver Metastases: Results of a Randomized Phase II Trial. *J Natl Cancer Inst.* 2017;109(9):djx015. doi:10.1093/jnci/djx015

[4] Mahadevan A, Blanck O, Lanciano R, et al. Stereotactic Body Radiotherapy (SBRT) for liver metastasis - clinical outcomes from the international multi-institutional RSSearch® Patient Registry. *Radiat Oncol*. 2018;13(1):26. Published 2018 Feb 13. doi:10.1186/s13014-018-0969-2

[5] Nordlinger B, Guiguet M, Vaillant JC, et al. Surgical resection of colorectal carcinoma metastases to the liver. A prognostic scoring system to improve case selection, based on 1568 patients. Association Française de Chirurgie. *Cancer*. 1996;77(7):1254-1262.

[6] Fong Y, Fortner J, Sun RL, Brennan MF, Blumgart LH. Clinical score for predicting recurrence after hepatic resection for metastatic colorectal cancer: analysis of 1001 consecutive cases. *Ann Surg.* 1999;230(3):309-321. doi:10.1097/00000658-199909000-00004.

[7] Iwatsuki S, Dvorchik I, Madariaga JR, et al. Hepatic resection for metastatic colorectal adenocarcinoma: a proposal of a prognostic scoring system. *J Am Coll Surg.* 1999;189(3):291-299. doi:10.1016/s1072-7515(99)00089-7.

[8] Konopke R, Kersting S, Distler M, et al. Prognostic factors and evaluation of a clinical score for predicting survival after resection of colorectal liver metastases. *Liver Int*. 2009;29(1):89-102. doi:10.1111/j.1478-3231.2008.01845.x.

[9] Nagashima I, Tadahiro T, Matsua K, et al. A new scoring system to classify patients with colorectal liver metastases: proposal of criteria to select candidates for hepatic resection. *J Hepatobiliary Pancreat Surg.* 2004;11(2):79-83.

[10] Imai K, Allard MA, Castro Benitez C, et al. Nomogram for prediction of prognosis in patients with initially unresectable colorectal liver metastases. *Br J Surg*. 2016;103(5):590-599. doi:10.1002/bjs.10073.

[11] Sasaki K, Morioka D, Conci S, et al. The Tumor Burden Score: A New "Metro-ticket" Prognostic Tool For Colorectal Liver Metastases Based on Tumor Size and Number of Tumors. *Ann Surg.* 2018;267(1):132-141. doi:10.1097/SLA.0000000000002064.

[12] Rees M, Tekkis PP, Welsh FK, O'Rourke T, John TG. Evaluation of long-term survival after hepatic resection for metastatic colorectal cancer: a multifactorial model of 929 patients. *Ann Surg.* 2008;247(1):125-135. doi:10.1097/SLA.0b013e31815aa2c2.

[13] Brudvik KW, Jones RP, Giuliante F, et al. RAS Mutation Clinical Risk Score to Predict Survival After Resection of Colorectal Liver Metastases*. Ann Surg*. 2019;269(1):120-126. doi:10.1097/SLA.0000000000002319.

[14] Wang K, Liu W, Yan XL, Li J, Xing BC. Long-term postoperative survival prediction in patients with colorectal liver metastasis. *Oncotarget*. 2017;8(45):79927-79934. doi:10.18632/oncotarget.20322.

[15] Ganeshan B, Burnand K, Young R, Chatwin C, Miles K. Dynamic contrast-enhanced texture analysis of the liver: initial assessment in colorectal cancer. Invest Radiol. 2011;46(3):160-168. doi:10.1097/RLI.0b013e3181f8e8a2.

[16] Miles KA, Ganeshan B, Griffiths MR, Young RC, Chatwin CR. Colorectal cancer: texture analysis of portal phase hepatic CT images as a potential marker of survival. *Radiology*. 2009;250(2):444-452. doi:10.1148/radiol.2502071879.

[17] Creasy JM, Cunanan KM, Chakraborty J, et al. Differences in Liver Parenchyma are Measurable with CT Radiomics at Initial Colon Resection in Patients that Develop Hepatic Metastases from Stage II/III Colon Cancer. *Ann Surg Oncol.* 2021;28(4):1982-1989. doi:10.1245/s10434-020-09134-w.

[18] Simpson AL., Doussot A, Creasy JM, et al. Computed tomography image texture: a noninvasive prognostic marker of hepatic recurrence after hepatectomy for metastatic colorectal cancer. *Ann Surg Oncol. 2017;24*(9): 2482-2490

[19] Kim DW, Lee S, Kwon S, Nam W, Cha IH, Kim HJ. Deep learning-based survival prediction of oral cancer patients. *Sci Rep*. 2019;9(1):6994. doi:10.1038/s41598-019-43372-7.

[20] Wang W, Liu W. Integration of gene interaction information into a reweighted random survival forest approach for accurate survival prediction and survival biomarker discovery. *Sci Rep.* 2018;8(1):13202. doi:10.1038/s41598-018-31497-0.

[21] van Griethuysen JJM, Fedorov A, Parmar C, et al. Computational Radiomics System to Decode the Radiographic Phenotype. *Cancer Res*. 2017;77(21):e104-e107. doi:10.1158/0008-5472.CAN-17-0339

[22] Fotso, S. PySurvival: Open source package for survival analysis modeling. 2019. https://square.github.io/pysurvival/

[23] Harrell FE, Dupont C. Hmisc: Harrell miscellaneous R package version 4.6-0. 2021. https://cran.r-project.org/web/packages/Hmisc/index.html

[24] Liu R, Gillies DF. Overfitting in linear feature extraction for classification of high-dimensional image data. *Pattern Recognit.* 2016;53(C):73–86. doi:10.1016/j.patcog.2015.11.015.

[25] Salmeron R, Garcıa CB, Garcıa J. Variance Inflation Factor and Condition Number in multiple linear regression. *J Stat Comput Simul*. 2018;88(12):2365-2384. Doi:10.1080/00949655.2018.1463376.

[26] Bourgon R, Gentleman R, Huber W. (2010). Independent filtering increases detection power for high-throughput experiments. *Proceedings of the National Academy of Sciences of the United States of America*, 107(21), 9546–9551. https://doi.org/10.1073/pnas.0914005107.

[27] Ishwaran H, Kogalur UB, Blackstone EH, Lauer MS. Random survival forests. *Ann Appl Stat*. 2008;2:841–860.

[28] Newson, R. Confidence Intervals for Rank Statistics: Somers’ D and Extensions. *The Stata Journal*. 2006;6(3):309-334.

[29] Steyerberg EW, Vickers AJ, Cook NR, et al. Assessing the performance of prediction models: a framework for traditional and novel measures. *Epidemiology*. 2010;21(1):128-138. doi:10.1097/EDE.0b013e3181c30fb2.

[30] Lin DY, Wei LJ. The robust inference for the cox proportional hazards model. *J Am Stat Assoc*. 1989;84:1074–1078.

[31] Menze BH, Kelm BM, Masuch R, et al. A comparison of random forest and its Gini importance with standard chemometric methods for the feature selection and classification of spectral data. *BMC Bioinformatics*. 2009;10:213. doi:10.1186/1471-2105-10-213.