**Supplementary reference list**

[S1] Abbasi Asl M, Barfaeie F, Gohari M, Roudbary M, Khodabakhshi R: Survival analysis of colorectal cancer patients and its prognostic factors using cox regression. Razi Journal of Medical Sciences. 2015; 22: 21-28.

[S2] Mehrabani D, Almasi-Hashiani A, Moshfeghi K, Khedmati Morasae E. Survival rate and its predictors in colorectal cancer patients, Southern Iran 2012. 1072-1077.

[S3] Rasouli MA, Moradi G, Roshani D, Nikkhoo B, Ghaderi E, Ghaytasi B. Prognostic factors and survival of colorectal cancer in Kurdistan province, Iran a population-based study (2009-2014). Medicine (United States). 2017;96(6).

[S4] Zare-Bandamiri M, Khanjani N, Jahani Y, Mohammadianpanah M. Factors affecting survival in patients with colorectal cancer in Shiraz, Iran. Asian Pacific Journal of Cancer Prevention. 2016; 17: 159-163.

[S5] Vakili M, Chahmatki F, Ansari M, Rahimi S, Baeradeh N. Survival rate of patients with colorectal cancer in Charmahal and Bakhtiari Province, Iran, 2000 - 2010. Armaghane Danesh 2016; 20: 1086-1095.

[S6] Madadizadeh F, Ghanbarnejad A, Ghavami V, Bandamiri MZ, Mohammadianpanah M. Applying additive hazards models for analyzing survival in patients with colorectal cancer in Fars Province, Southern Iran. Asian Pacific Journal of Cancer Prevention 2017; 18: 1077-1083.

[S7] Semnani S, Noorafkan Z, Aryaie M, Sedaghat SM, Moghaddami A et al. Determinants of healthcare utilisation and predictors of outcome in colorectal cancer patients from Northern Iran. European journal of cancer care 2016; 25: 318-323.

[S8] Asghari-Jafarabadi M, Hajizadeh E, Kazemnejad A, Fatemi SR. Site-specific evaluation of prognostic factors on survivial in Iranian colorectal cancer patients: A competing risks survival analysis. Asian Pacific Journal of Cancer Prevention 2009; 10: 815-822.

[S9] Zare-Bandamiri M, Fararouei M, Zohourinia S, Daneshi N, Dianatinasab M. Risk factors predicting colorectal cancer recurrence following initial treatment: A 5-year cohort study. Asian Pacific Journal of Cancer Prevention 2017; 18: 2465-2470.

[S10] Moamer S, Baghestani A, Pourhoseingholi MA, Hajizadeh N, Ahmadi F et al. Evaluation of prognostic factors effect on survival time in patients with colorectal cancer, based on Weibull Competing-Risks Model. Gastroenterology and Hepatology from Bed to Bench. 2017; 10: 54-59.

[S11] Akhoond MA, Kazemnejad A, Hajizadeh E, Fatemi SR, Motlagh A. Investigation of influential factors affecting survival rate of patients with colorectal cancer using copula function. Iranian Journal of Epidemiology 2011; 6: 40-49.

[S12] Moradi A, Khayamzadeh M, Guya MM, Mirzaei HR, Salmanian R et al. Survival of colorectal cancer in Iran. Asian Pacific Journal of Cancer Prevention 2009; 10: 583-586.

[S13] Moghimi-Dehkordi B, Safaee A, Zali MR. Prognostic factors in 1,138 Iranian colorectal cancer patients. International journal of colorectal disease 2008; 23: 683-688.

[S14] Saki Malehi A, Hajizade E, Fatemi R. Evaluation of prognostic variables for classifying the survival in colorectal patients using the decision tree. Iranian Journal of Epidemiology 2012; 8: 13-19.

[S15] Ansari R, Amjadi H, Norozbeigi N, Zamani F, Mir-Nasseri MM et al. Survival analysis of colorectal cancer in patients underwent surgical operation in Shariati and Mehr Hospital-Tehran, in a Retrospective Study. Govaresh Journal 2007; 12: 7-15.

[S16] Gohari MR, Biglarian A, Bakhshi E, Pourhoseingholi MA. Use of an artificial neural network to determine prognostic factors in colorectal cancer patients. Asian Pacific Journal of Cancer Prevention 2011; 12: 1469-1472.

[S17] Omidvari S, Hamedi SH, Mohammadianpanah M, Razzaghi S, Mosalaei A et al. Comparison of abdominoperineal resection and low anterior resection in lower and middle rectal cancer. Journal of the Egyptian National Cancer Institute 2013; 25: 151-160.

[S18] Heidarnia MA, Monfared ED, Akbari ME, Yavari P, Amanpour F et al. Social determinants of health and 5-year survival of colorectal cancer. Asian Pacific Journal of Cancer Prevention 2013; 14: 5111-5116.

[S19] Akhavan A, Binesh F, Heidari S. Survival of brain metastatic patients in Yazd, Iran. Asian Pacific Journal of Cancer Prevention 2014; 15: 3571-3574.

[S20] Mehrkhani F, Nasiri S, Donboli K, Meysamie A, Hedayat A. Prognostic factors in survival of colorectal cancer patients after surgery. Colorectal Disease 2009; 11: 157-161.

[S21] Emami S, Fatemi A, Farajzadegan Z, Movahed-Abtahi S. Epidemiology of colorectal cancer in Isfahan province. Govaresh 2005; 10: 134-139.

[S22] Ahmadloo N, Mosalaei A, Omidvari Sh, Mohammadianpanah M. Role of external irradiation in high-risk resected colon cancer. Indian Journal of Cancer 2005; 42: 133-137.

[S23] Fatemi SR, Pourhoseingholi MA, Asadi F, Vahedi M, Pasha S et al. Recurrence and five-year survival in colorectal cancer patients after surgery. Iranian Journal of Cancer Prevention 2015; 8.

[S24] Aryaie M, Roshandel G, Semnani S, Asadi-Lari M, Aarabi M et al. Predictors of colorectal cancer survival in Golestan, Iran: A population-based study. Epidemiology and Health 2013; 35: e2013004.

[S25] Mehrdad P, Mehrnoush A, Masoud S. The survival and KRAS/BRAF testing in colorectal cancer: A review on the literature of Iran. Annals of Oncology 2017; 28.

[S26] Vakili M, Aghakoochak A, Pirdehghan A, Shiryazdy M, Saffarmoghadam A. The survival rate of patients with colorectal cancer in Yazd during 2001-2011. The Journal of Shahid Sadoughi University of Medical Sciences 2014; 22: 1187-1195.