

Unraveling Biophysical Interactions of Radiation Pneumonitis in Non-Small-Cell Lung Cancer via Bayesian Network Analysis

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Appendix A: Patient's Features

Table 1. Data Description

Categories	Names
Dosimetric Information (5)	Mean_Lung_Dose, Mean_Heart_Dose, V5, V13, V20
Clinical Factors (13)	Smoking, COPD, Chemo, Gender, Adenocarcinoma, Squamous cell carcinoma, Large cell carcinoma, Poorly differentiated carcinomas, Stage, Age, GTV, KPS, Ratio of weight change
Cytokines for pre and during treatment (30 + 30)	EGF, eotaxin, fractalkine, G-CSF, GM-CSF, IFN- γ , IL-10, IL-12p40, IL-12p70, IL-13, IL-15, IL-17, IL-1 α , IL-1 β , IL-1ra, IL-2, IL-4, IL-5, IL-6, IL-7, IL-8, IP-10, MCP-1, MIP-1 α , MIP-1 β , sCD40L, TGF- α , TNF- α , VEGF, TGF- β 1
miRNAs (62)	Let-7a-5p, miR-100-5p, miR-106b-5p, miR-10b-5p, miR-122-5p, miR-124-3p, miR-125b-5p, miR-126-3p, miR-134, miR-143-3p, miR-146a-5p, miR-150-5p, miR-155-5p, miR-17-5p, miR-17-3p, miR-18a-5p, miR-192-5p, miR-195-5p, miR-19a-3p, miR-19b-3p, miR-200b-3p, miR-200c-3p, miR-205-5p, miR-21-5p, miR-210, miR-221-3p, miR-222-3p, miR-223-3p, miR-224-5p, miR-23a-3p, miR-25-3p, miR-27a-3p, miR-296-5p, miR-29a-3p, miR-30d-5p, miR-34a-5p, miR-375, miR-423-5p, miR-574-3p, miR-885-5p, miR-92a-3p, let-7c, miR-10a-5p, miR-128, miR-130b-3p, miR-145-5p, miR-148a-3p, miR-15a-5p, miR-193a-5p, miR-26b-5p, miR-30e-5p, miR-374a-5p, miR-7-5p, miR-103a-3p, miR-15b-5p, miR-191-5p, miR-22-3p, miR-24-3p, miR-26a-5p, miR-20a-5p, miR-93-5p, miR-16-5p
SNPs (60)	Rs3857979, Rs235756, Rs1800587, Rs17561, Rs2070874, Rs1801275, Rs1800795, Rs4073, Rs2234671, Rs1800896, Rs3135932, Rs1800872, Rs180925, Rs11556218, Rs4760259, Rs1799983, Rs689470, Rs11939979, Rs11724777, Rs12102171, Rs6494633, Rs4776342, Rs12456284, Rs12913975, Rs12906898, Rs7227023, Rs7333607, Rs1800468, Rs1800469, Rs4803455, Rs1061622, Rs664677, Rs664143, Rs373759, Rs189037, Rs609261, Rs1800057, Rs3212961, Rs3212948, Rs11615, Rs238406, Rs13181, Rs17655, Rs1047768, Rs12917, Rs1805794, Rs1625895, Rs1042522, Rs25489, Rs25487, Rs6464268, Rs3218536, Rs1799796, Rs9293329, Rs1478486, Rs1040363, Rs2075685, Rs2228000, Rs2228001