

Data description:

We extracted the data from patients' medical reports (1000+ pages) provided by University of Virginia Health System, including the lab report, scan report and the pathology report. There are 150 patients and 25 variables included in this dataset. Those variables contain information of patients' characteristics at the time of diagnosis, survival features, lab results at time of diagnosis, lab results after 2PC sessions, cancer type, gene mutation, and metastasis sites. The following table shows more detailed description of the variables.

Categories	Variable	Type	Comments
Patients Characteristics at the Time of Diagnosis	Dx_Age	Integer	Age at diagnosis
	Gender	Binary	0=male, 1=female
	Diabetes	Binary	0=N, 1=Y
	BMI	Continuous	Body Mass Index, Unit: kg/m2
Survival Features	Survival_Days	Integer	
	Censoring_Indicator	Binary	0=Censored, 1=Death
Lab Results at Time of Diagnosis	Platelets	Continuous	Unit: K/UL
	Hematocrit	Continuous	Unit: %
	WBC	Continuous	White Blood Cells, Unit: K/UL
	Albumin	Continuous	Unit: G/DL
	Creatinine	Continuous	Unit: MG/DL
	Total Bilirubin	Continuous	Unit: MG/DL
Lab Results after 2PC Sessions	Platelets	Continuous	Unit: K/UL
	Hematocrit	Continuous	Unit: %
	WBC	Continuous	White Blood Cells, Unit: K/UL
	Albumin	Continuous	Unit: G/DL
	Creatinine	Continuous	Unit: MG/DL
	Total Bilirubin	Continuous	Unit: MG/DL
Cancer Type	Esophagus	Binary	0=no primary tumor in esophagus, 1=primary tumor in esophagus
	Stomach	Binary	0=no primary tumor in stomach, 1=primary tumor in stomach

Gene Mutation	Gene_HER2	Binary	0=no gene mutation, 1=have gene mutation
Metastasis Sites	Chest / Lung	Binary	0=no metastasis, 1=have metastasis
	Lymph Node	Binary	0=no metastasis, 1=have metastasis
	Liver	Binary	0=no metastasis, 1=have metastasis
	Distant Spread	Binary	0=no metastasis, 1=have metastasis