Group	Age	Sex	Time after death (h)	Underlying cause of death	Intermediate cause of death	Immediate cause of death
Group 1	82	М	1.25	Aspiration pneumonia	Diffuse alveolar damage	Respiratory failure due to diffuse alveolar damage
	89	F	1.75	Overt leukemia from myelodysplastic syndrome	Pneumonia with shock	Respiratory failure due to diffuse alveolar damage
	1	Μ	3.25	Primary immunodeficiency with thymic aplasia	Pneumonia	Diffuse alveolar damage
	81	F	14	Miliary tuberculosis	Diffuse alveolar damage	Diffuse alveolar damage
	88	F	15	Ascending colon cancer	Perforation of colon cancer	Septic shock due to pan-peritonitis
	75	М	2	Systemic lupus erythematosus	Invasive aspergillosis due to immunodeficiency	Respiratory failure due to septic shock
	69	F	9.5	Chronic myelomonocytic leukemia	Immunodeficiency	Respiratory failure due to diffuse alveolar damage
	63	М	10.75	Lingual cancer	Aspiration due to pharyngocutaneous fistula	Respiratory failure due to bronchopneumonia and pleural effusion
	68	М	27	Lung cancer	Multiple cancer metastases	Respiratory failure due to bronchopneumonia and pleural effusion
	78	М	2.5	Esophageal cancer	Aspiration pneumonia	Respiratory failure due to aspiration pneumonia
	64	F	2	Pancreatic cancer	Adverse effects of gemcitabine	Respiratory failure due to idiopathic interstitial pneumonia
	72	Μ	2.25	Usual interstitial pneumonia	Aspiration pneumonia + pulmonary bleeding	Respiratory failure due to CO ₂ narcosis
	77	М	16	Liver cancer	Pleuritis carcinomatosa	Respiratory failure due to pleuritis carcinomatosa
	74	М	11	Traffic injury with polycythemia vera	Pulmonary thromboembolism	Respiratory failure due to pulmonary embolism
	51	М	7.25	Pancreatic head cancer	Pleuritis carcinomatosa with pneumothorax	Respiratory failure
	14	F	41	Unknown (Sudden death)	Diffuse alveolar bleeding	Suffocation
	45	F	3.5	Leiomyosarcoma of uterus	Peritonitis carcinomatosa	Hemorrhagic shock due to tumor necrosis
	60	F	1.75	Pancreatic head cancer	Ruptured metastatic liver tumor	Hemorrhagic shock due to perforation of liver tumor
	85	F	11	Lower bile duct cancer	Liver metastasis and obstructive jaundice	Liver failure
Group 2	65	М	5.5	Chronic myelomonocytic leukemia	Systemic inflammatory response syndrome	Respiratory failure due to septic shock
	62	F	4	Pancreatic cancer	Diffuse alveolar damage and lung metastasis	Respiratory failure due to diffuse alveolar damage
	79	М	15	Hodgkin lymphoma	Systemic inflammatory response syndrome	Diffuse alveolar damage
	73	М	6.25	Pancreatic head cancer	Disseminated intravascular coagulation	Diffuse alveolar damage
I	62	М	1.75	Peritonitis carcinomatosa due to gastric cancer	Severe immunodeficiency	Respiratory failure due to bronchopneumonia and pleural effusion
	46	М	9.75	Amyotrophic lateral sclerosis	Aspiration	Respiratory failure due to pneumonia and pulmonary abscess
	76	F	2	Cecal cancer	Multiple lung abscesses	Respiratory failure due to pulmonary abscess
	86	М	21	Pancreatic head cancer	Bronchopneumonia + multiple lung metastases	Respiratory failure due to bronchopneumonia
	77	М	17	Pulmonary emphysema	Bronchopneumonia	Respiratory failure due to bronchopneumonia
	65	М	7	Drug-induced neutropenia	Severe systemic infection	Severe bronchopneumonia
	59	М	3	Diabetic nephropathy	Massive ascites	Respiratory failure due to passive atelectasis
	77	М	6.5	Ureteropelvic cancer	Carcinomatous lymphangitis + massive pleural effusion	Respiratory failure
	71	М	4.5	Usual interstitial pneumonia	Organizing pneumonia	Respiratory failure
	60	М	10	Mediastinal tumor	Tracheal compression by mass effect	Suffocation
	62	F	17.25	Angiosarcoma	Pericardial hemorrhage	Cardiac tamponade
	79	F	3.5	Gastric cancer	Pericarditis carcinomatosa	Cardiac tamponade
	71	M	3.5	Gastric body cancer	Metastatic liver cancer	Liver failure
	62	M	2.75	Pancreatic head cancer	Multiple liver metastasis	Liver failure
Group 3	68	M	1.75	Myelodysplastic syndrome	Immunodeficiency	Septic shock
o.oup o	68	M	12.5	Old myocardial infarction	Acute coronary syndrome due to plaque rupture and thrombus formation	Acute myocardial infarction
	56	F	2	Endometrial cancer	Pan-peritonitis due to Pseudomonas infection	Multiple-organ failure
	71	M		Bile duct cancer	Sub-massive liver necrosis due to portal thrombus	Liver failure due to submassive liver necrosis
Group 4	57	M	2	Lymphoplasmacytic lymphoma/leukemia	Alveolar bleeding	Respiratory failure
	70	F	11	Carcinosarcoma of uterus	Bronchopneumonia	Respiratory failure
	67	M	9	Esophageal cancer	Multiple cancer metastases	Pulmonary tumor embolism
	76	M	2	Primary macroglobulinemia	Right heart failure	Suspect of acute circulatory failure
	94	F	3	Bronchopneumonia	Sepsis	Acute circulatory failure
-	66	F	12.5	Liver cancer due to alcoholic liver cirrhosis	Radiation injury of the liver	Liver failure
	60	F	4.75	Gastric cancer	Liver metastasis	Liver failure
	81	F	3.5	Splenic marginal zone B-cell lymphoma	Tumor invasion of the cirrhotic liver	Liver failure
-	64	F				
	b 4	г	1.75	Acute myelocytic leukemia	Tumor invasion of the liver	Hepatorenal failure

Supplemental Table 1. Sequential causes of death in each patient as diagnosed by pathologists