

Table 1. Patient Characteristics and Autopsy Findings

Case Number	Age, y	Sex	Preexisting Medical Conditions	Treatment	BMI, kg/m ²	Clinical Cause of Death	PMI, d	Cause of Death	Main Pathologic Findings	PMCT (Lungs)	Histology (Lungs)
1	52	Male	Obesity	CPR	38.8	Sudden cardiac death	1	PE pneumonia	PE, DVT pneumonia, obesity, cardiomegaly (660 g), splenomegaly (500 g), hepatomegaly (3880 g), shock organs (liver, kidneys), atherosclerosis	Diffuse bilateral pulmonary consolidations in each lobe	DAD: aPC, FB, GC, sparse HM, slight fibrosis Additional findings: Co, Thr
2	70	Male	Parkinson disease, CHD, PAD, CKD	BSC	22.2	Respiratory failure, pneumonia	1	Pneumonia with broncho-pneumonia	Pneumonia, CHD (stents in LAD and RCA, status post MI, cardiac aneurysm), contractures (with Parkinson syndrome), purulent bronchitis, cardiomegaly (515 g), shock liver	No PMCT	DAD: aPC, HM, sparse LC Additional findings: focal Gra, CB, AB
3	71	Male	AH, nicotine abuse, granulomatous pneumopathy	CA, MV	36.8	Respiratory failure, pneumonia	2	PE pneumonia	PE, DVT pneumonia, status post VATS (due to unspecified granuloma), CHD, anasarca, atherosclerosis	Emphysema; fine reticular pattern in each lobe; consolidations in the right lower and left lower lobes	DAD: SM, FB, aPC, HM Additional findings: Thr
4	63	Male	T2DM, obesity, bronchial asthma	CA, MV, lysis of right ventricular thrombus, CPR	37.3	Cardiorespiratory failure, PE	1	PE pneumonia	PE, DVT pneumonia, obesity, cardiomegaly (605 g), ischemic colitis, shock liver	No PMCT	DAD: FB, aPC, HM, SM Additional findings: HI, Thr
5	66	Male	CHD	CPR	25.3	Sudden cardiac death	2	Pneumonia	Pneumonia, DVT CHD, status post MI	Consolidations in each lobe; reticular pattern in the right upper and lower lobes and in each left lobe	DAD: aPC, FB, HM, necrosis, LC Additional findings: surrounding small vessels, Thr
6	54	Female	Dementia, epilepsy, trisomy 21	BSC	29.6	Respiratory failure, aspiration pneumonia	1	Pneumonia	Pneumonia, kidney infarctions, PEG tube	Consolidations in the right upper and middle lobes and in parts of the left upper and lower lobes; ground glass opacities in the right upper and lower lobes and in the left upper lobe; reticular pattern in the right middle and lower lobes and in each left lobe	Gra, AB, Co (no DAD)
7	75	Female	Atrial fibrillation, CHD, nicotine abuse	NIV	26.3	Respiratory failure, viral pneumonia	4	Pneumonia	Pneumonia, lung emphysema, CHD, left cardiac dilatation, calcification of the mitral ring, cardiac pacemaker, atherosclerosis	Reticular pattern in each lobe; small areas of consolidation in the right lower, left upper, and left lower lobes	DAD: HM, aPC, SM Additional findings: emphysema, Co
8	82	Male	Parkinson disease, T2DM, CHD	BSC	27.8	Respiratory failure, viral pneumonia	1	Broncho-pneumonia	Pneumonia, emphysema, DVT CHD, status post ACVB, status post MI with left cardiac aneurysm, atherosclerosis	Emphysema; diffuse consolidations in each lobe; reticular pattern in the right upper and lower lobes and in the left lower lobe; bilateral pleural effusion	Gra, emphysema (no DAD)
9	87	Female	Non-small cell lung cancer, COPD, CHD, CKD	BSC	15.4	Respiratory failure, viral pneumonia	4	Purulent bronchitis	Pneumonia, purulent bronchitis, CHD, status post MI cachexia, bullous emphysema, NET in the lung, atherosclerosis	Emphysema; round tumor in the right lower lobe; small areas of consolidation in the right upper and lower lobes and in the left upper lobe; reticular pattern in the right upper and lower lobes and in each left lobe	Gra, AB, emphysema (no DAD) Additional findings: NET composed of small cells
10	84	Male	T2DM, AH, ulcerative colitis	BSC	20.7	Respiratory failure, viral pneumonia	5	Pneumonia, septic encephalopathy	Pneumonia, emphysema, septicemia, status post MI, atrophic kidneys	Reticular pattern in the right upper and lower lobes and in each left lobe; consolidations in the right middle and lower lobes and in each left lobe; ground glass opacities in the right upper and middle lobes and in parts of the left upper lobe; bilateral pleural effusion	Emphysema, Co, Gra, CB, fibrosis (no DAD)
11	85	Male	CHD, AH, bronchial asthma, atrial fibrillation	CA, MV, RRT	30.0	Cardiac arrest due to respiratory failure	2	Pneumonia	Pneumonia, DVT, minor PE, emphysema, CHD, cardiomegaly (650 g), atherosclerosis	Diffuse consolidations in each lobe; reticular pattern in the right middle and lower lobes and in each left lobe; ground glass opacities in the right upper and middle lobes and in the left upper lobe; bilateral pleural effusion	DAD: HM (sparse), GC, aPC Additional findings: emphysema, Co, Gra
12	76	Male	Obesity	CA, MV, CPR	34.4	PE	3	PE	PE with lung infarctions, DVT pneumonia, purulent tracheobronchitis, pneumonia, cardiomegaly (745 g), emphysema, obesity	No residual ventilation in either lung except for small areas in the right upper and middle lobes and in the left upper and lower lobes; bilateral pleural effusion	DAD: HM, aPC, fibrosis Additional findings: LC, PIC, HI, Thr, Co

AB = acute bronchitis; ACVB = aortocoronary venous bypass; AH = arterial hypertension; aPC = activated pneumocytes; BMI = body mass index; BSC = best supportive care; CA = catecholamine therapy; CB = chronic bronchitis; CHD = coronary heart disease; CKD = chronic kidney disease; Co = congestion of small vessels; COPD = chronic obstructive pulmonary disease; CPR = cardiopulmonary resuscitation; DAD = diffuse alveolar damage; DVT = deep venous thrombosis; FB = fibroblasts; GC = giant cells; Gra = granulocytic infiltration; HI = hemorrhagic infarctions; HM = hyaline membranes; LAD = left anterior descending artery; LC = lymphocytes; MI = myocardial infarction; MV = mechanical ventilation; NET = neuroendocrine tumor; NIV = noninvasive ventilation; PAD = peripheral artery disease; PE = pulmonary embolism; PEG = percutaneous endoscopic gastrostomy; PIC = plasma cells; PMCT = postmortem computed tomography; PMI = postmortem interval; RCA = right coronary artery; RRT = renal replacement therapy; SM = squamous metaplasia; T2DM = type 2 diabetes mellitus; Thr = thrombi; VATS = video-assisted thoracoscopic surgery.