

Supplementary Table S1. Comparison of demographics between patients with dermatomyositis and polymyositis.

Demographic characteristics		
	DM (n = 6997)	PM (n = 9802)
Characteristic		
Women (%)	5092 (72.8)	6468 (66.0)
Age, mean (SD), y	55.4 (20.5)	62.2 (16.1)
Race (%)		
White	4262 (60.9)	5554 (56.7)
Black	1286 (18.4)	3011 (30.7)
Hispanic	991 (14.2)	802 (8.2)
Asian	195 (2.8)	165 (1.7)
Native American	35 (0.5)	46 (0.5)

DM: dermatomyositis; PM: polymyositis; SD: standard deviation; y: years.

Supplementary Table S2. Frequency of comorbidity in the inclusion body myositis *versus* dermatomyositis and polymyositis. *P*-values which remained statistically significant after the false discovery analysis are highlighted in bold.

Diagnosis	IBM (n = 2020)	IIM (n = 16799)	<i>p</i> -value	DM (n = 6997)	PM (n = 9802)	<i>p</i> -value
Acute respiratory failure	0.058	0.053	0.34722	0.052	0.054	0.56868
Aspiration pneumonia	0.143	0.036	< 0.0001	0.035	0.037	0.4965
Pneumonia organism unspecified	0.092	0.103	0.12356	0.091	0.112	< 0.00001
Pneumonia due to pseudomonas	0.011	0.005	0.0007	0.004	0.005	0.34212
Chronic obstructive pulmonary disease	0.05	0.038	0.0088	0.026	0.046	< 0.00001
Other pulmonary embolism and infarction	0.02	0.018	0.52218	0.018	0.018	0.999
Acute myocardial infarction of anterolateral wall episode of care unspecified	0.0	0.0	0.999	0.0	0.0	0.999
Acute venous embolism and thrombosis of unspecified deep vessels of lower extremity	0.004	0.005	0.54186	0.006	0.004	0.06576
Atrial fibrillation	0.168	0.113	< 0.00001	0.093	0.126	< 0.00001
Chronic ischaemic heart disease	0.001	0.001	0.999	0.001	0.001	0.999
Congestive heart failure	0.104	0.12	0.03572	0.101	0.133	< 0.00001
Subendocardial infarction	0.048	0.026	< 0.00001	0.02	0.03	< 0.00001
Stroke	0.016	0.009	< 0.00001	0.008	0.009	0.4902
Shock	0.006	0.003	0.0271	0.002	0.004	0.0232
Systemic inflammatory response syndrome (SIRS)	0.003	0.006	0.08914	0.007	0.005	0.09296
Unspecified septicemia	0.064	0.04	< 0.00001	0.029	0.048	0.00001
Volume depletion, unspecified	0.007	0.008	0.63122	0.006	0.008	0.13104
Critical illness myopathy	0.002	0.002	0.999	0.002	0.002	0.999
Cellulitis of leg	0.014	0.02	0.06432	0.023	0.017	0.0056
Urinary tract infection	0.124	0.12	0.60306	0.105	0.131	< 0.00001
Falls	0.107	0.041	< 0.00001	0.034	0.045	0.00036

IBM: inclusion body myositis; IIM: idiopathic inflammatory myopathy; DM: dermatomyositis; PM: polymyositis; SD: standard deviation; y: years.