**Table S4.** Diagnostic tools used in patients with suspected ICI-related MG.a

|  |  |
| --- | --- |
|  **Variable** |  **No. (%)** |
| Diagnostic tools (no. tested) |  |
| Auto antibody panel positive titers  |  |
| Anti-AChR (*n=*56) | 37 (66) |
| Anti-Striated muscle (*n=*18)  | 12 (67) |
| ANA (*n=*10) | 2 (20) |
| Anti-titin (*n=*2) | 1 (50) |
| Anti-MuSK (*n=*35) | 1 (3) |
| Voltage-gated calcium channel (*n=*15) | 0 |
| Antiaminoacyl tRNA synthetase (*n=*7) | 0 |
| Muscle enzymes elevation |  |
| CPK (*n=*49) | 41 (84) |
| Troponin (*n=*14) | 13 (93) |
| CKMB (*n=*8) | 8 (100) |
| Aldolase (*n=*6) | 5 (83) |
| Myoglobin (*n=*4) | 3 (75) |
| Transaminases elevation (ALT, AST) (*n=*25) | 21 (84) |
| Edrophonium test positive (*n=*5)b | 4 (80) |
| Ice pack test positive (*n=*4)b | 2 (50) |
| Electrodiagnostic studies (skeletal muscle EMG, RNS, NCS) (*n=*37) |  |
| MGcMyopathydMG and myopathydPolyneuropathyNo pathologic findings | 16 (43)6 (16)6 (16)3 (8)6 (16) |
| Imaging of the Neck (MRI, CT, X-ray) (*n=*29)Thymoma | 0 |
| Imaging of the brain (MRI, CT) (*n=*27)Acute intracranial events | 0 |
| MRI of the heart (*n=*2)Myocarditis | 0 |
| TTE (*n=*15) |  |
| Left ventricular dysfunction | 4 (27) |
| EKG abnormalities (*n=*15)Diffuse ST elevationPremature ventricular contractionVentricular tachycardia | 2 (13)1 (7)1 (7) |
| RBBB | 1 (7) |
| Coronarography (*n=*2) |  |
| Arterial stenosis  | 0 |
| Skeletal muscle biopsy (*n=*7)Inflammatory infiltratesNecrotizing myopathyInconclusiveeMyocardial biopsy (*n=*3)Inflammatory infiltrates | 5 (71)1 (14)1 (14)3 (100) |

aAbbreviations: Anti-AChR, Anti-Acetylcholine receptor; ANA, Anti-nuclear antibody; Anti-MuSK, Anti-muscle specific kinase; CPK, creatine phosphokinase; CKMB, creatine kinase MB; ALT, alanine transaminase; AST, aspartate transaminase; EMG, electromyography; RNS, repetitive nerve stimulation; NCS, nerve conduction study; MG, myasthenia gravis; MRI, magnetic resonance imaging; CT, computed tomography; TTE, transthoracic echocardiography; EKG, electrocardiogram; RBBB, right bundle branch block. Numbers are rounded to the nearest whole number.

bOne patient had a partially positive test result.

cThree patients also had findings suggestive of polyneuropathy.

dTwo patients also had findings suggestive of polyneuropathy.

eThe patient also had a nerve biopsy which was inconclusive.