**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) |  |
| MGc  Myopathyd  MG and myopathyd  Polyneuropathy  No 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 elevation  Premature ventricular contraction  Ventricular tachycardia | 2 (13)  1 (7)  1 (7) |
| RBBB | 1 (7) |
| Coronarography (*n=*2) |  |
| Arterial stenosis | 0 |
| Skeletal muscle biopsy (*n=*7)  Inflammatory infiltrates  Necrotizing myopathy  Inconclusivee  Myocardial 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.