

Data Dictionary Codebook

IMACS Codebooks (PID: 483)

09/04/2026 5:08pm

Instruments
Instrument
EULAR ACR Myositis Classification Criteria 2017

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	#	Variable / Field Name	Field Label <i>Field Note</i>	Field Attributes (Field Type, Validation, Choices, Calculations, etc.)
Instrument: EULAR ACR Myositis Classification Criteria 2017 (eular_acr_myositis_classification_criteria_2017)				
	1	[study_id]	Study ID	text
	2	[iimcc_imacs_number]	Subject's IMACS number:	text, Required
	3	[iimcc_assess_num]	Assessment number	text, Required
	4	[iimcc_date_of_assess]	Date of Assessment (MM/DD/YYYY):	text (date_mdy), Required
	5	[iimcc_assessor]	Assessor	text, Required
	6	[iimcc_header]	EULAR ACR Myositis Classification Criteria 2017	descriptive
	7	[iimcc_table]	If no better explanation exists for the symptoms and signs that appear at any time during the disease course, these classification criteria can be applied. 1. Was a muscle biopsy performed? {iimcc_biopsy_done} CLASSIFICATION CRITERIA Present in this patient at any time? Score Without Muscle Biopsy Score With Muscle Biopsy Points Assigned 2. Age of onset of first symptom assumed to berelated to the disease ≥ 18 years and < 40 years {iimcc_age_less_40} 1.3 1.5 {iimcc_score_2} 3. Age of onset of first symptom assumed to berelated to the disease ≥ 40 years {iimcc_age_over_40} 2.1 2.2 {iimcc_score_3} MUSCLE WEAKNESS Present in this patient at any time? Score Without Muscle Biopsy Score With Muscle Biopsy Points Assigned 4. Objective symmetric weakness, usually progressive, of the proximal upper extremities {iimcc_prox_arm_weakness} 0.7 0.7	descriptive

{iimcc_score_4} 5. Objective symmetric weakness, usually progressive, of the proximal lower extremities {iimcc_prox_leg_weakness} 0.8 0.5 {iimcc_score_5} 6. Neck flexors are relatively weaker than neck extensors {iimcc_neck_flexor_weakness} 1.9 1.6 {iimcc_score_6} 7. In the legs proximal muscles are relatively weaker than distal muscles {iimcc_leg_weakness_pattern} 0.9 1.2 {iimcc_score_7} SKIN MANIFESTATIONS Present in this patient at any time? Score Without Muscle Biopsy Score With Muscle Biopsy Points Assigned 8. Heliotrope rash {iimcc_heliotrope} 3.1 3.2 {iimcc_score_8} 9. Gottron's papules {iimcc_gottrons_papules} 2.1 2.7 {iimcc_score_9} 10. Gottron's sign {iimcc_gottrons_sign} 3.3 3.7 {iimcc_score_10} OTHER CLINICAL MANIFESTATIONS Present in this patient at any time? Score Without Muscle Biopsy Score With Muscle Biopsy Points Assigned 11. Dysphagia or esophageal dysmotility {iimcc_dysphagia} 0.7 0.6 {iimcc_score_11} LABORATORY MEASUREMENTS Present in this patient at any time? Score Without Muscle Biopsy Score With Muscle Biopsy Points Assigned 12. Anti-Jo-1 (anti-histidyl-tRNA synthetase) autoantibody present {iimcc_anti_jo1_autoab} 3.9 3.8 {iimcc_score_12} 13. Elevated serum levels of creatine kinase (CK)* or lactate dehydrogenase (LDH)* or aspartate aminotransferase (ASAT/AST/SGOT)* or alanine aminotransferase (ALAT/ALT/SGPT)* {iimcc_enzymes} 1.3 1.4 {iimcc_score_13} MUSCLE BIOPSY FEATURES - PRESENCE OF: Present in this patient at any time? Score Without Muscle Biopsy Score With Muscle Biopsy Points Assigned 14. Endomysial infiltration of mononuclear cells surrounding, but not invading, myofibres {iimcc_endomysial_infiltrat} NA 1.7 {iimcc_score_14} 15. Perimysial and/or perivascular infiltration of mononuclear cells {iimcc_perimysial_infiltrat} NA 1.2 {iimcc_score_15} 16. Perifascicular atrophy {iimcc_perifasc_atrophy} NA 1.9 {iimcc_score_16} 17. Rimmed vacuoles {iimcc_rimmed_vacuoles} NA 3.1 {iimcc_score_17} TOTAL SCORE {iimcc_total_score} * Serum levels above the upper limit of normal

8	[iimcc_table_desc]	Definite IIM: Total score ≥ 7.5 or more without muscle biopsy and ≥ 8.7 with muscle biopsy. Probable IIM: Total score ≥ 5.5 , total score ≥ 6.7 if biopsy data is available. Possible IIM: Total score ≥ 5.3 , total score ≥ 6.5 if biopsy data is available. Does Not Meet Criteria for IIM: Total score < 5.3 , total score < 6.5 if biopsy data is available	descriptive
9	[iimcc_score_2]	Section Header: Age of onset score (under 40 years old)	calc Calculation: if([iimcc_age_less_40] = " or [iimcc_biopsy_done] = ", ", if([iimcc_age_less_40]='1' and [iimcc_biopsy_done]='0', 1.3, if([iimcc_age_less_40]='1' and [iimcc_biopsy_done]='1', 1.5, ")))
10	[iimcc_score_3]	Age of onset score (over 40 years old)	calc Calculation: if([iimcc_age_over_40] = " or [iimcc_biopsy_done] = ", ", if([iimcc_age_over_40]='1' and [iimcc_biopsy_done]='0', 2.1, if([iimcc_age_over_40]='1' and [iimcc_biopsy_done]='1', 2.2, ")))
11	[iimcc_score_4]	Symmetric weakness of the upper extremities score	calc Calculation: if([iimcc_prox_arm_weakness] = " or [iimcc_biopsy_done] = ", ", if([iimcc_prox_arm_weakness] = '1' and [iimcc_biopsy_done] = '0', 0.7, if([iimcc_prox_arm_weakness] = '1' and [iimcc_biopsy_done] = '1', 0.7, ")))
12	[iimcc_score_5]	Symmetric weakness of the lower extremities score	calc Calculation: if([iimcc_prox_leg_weakness] = " or [iimcc_biopsy_done] = ", ", if([iimcc_prox_leg_weakness] = '1' and [iimcc_biopsy_done] = '0', 0.8, if([iimcc_prox_leg_weakness] = '1' and [iimcc_biopsy_done] = '1', 0.5, ")))
13	[iimcc_score_6]	Neck flexor weakness score	calc Calculation: if([iimcc_neck_flexor_weakness] = " or [iimcc_biopsy_done] = ", ", if([iimcc_neck_flexor_weakness] = '1' and [iimcc_biopsy_done] = '0', 1.9, if(

				[iimcc_neck_flexor_weakness] = '1' and [iimcc_biopsy_done] = '1', 1.6, ")))
	14	[iimcc_score_7]	Leg weakness pattern score	calc Calculation: if([iimcc_leg_weakness_pattern] = " or [iimcc_biopsy_done] = ", ", if([iimcc_leg_weakness_pattern] = '1' and [iimcc_biopsy_done] = '0', 0.9, if([iimcc_leg_weakness_pattern] = '1' and [iimcc_biopsy_done] = '1', 1.2, ")))
	15	[iimcc_score_8]	Assessment of heliotrope rash score	calc Calculation: if([iimcc_heliotrope] = " or [iimcc_biopsy_done] = ", ", if([iimcc_heliotrope] = '1' and [iimcc_biopsy_done] = '0', 3.1, if([iimcc_heliotrope] = '1' and [iimcc_biopsy_done] = '1', 3.2, ")))
	16	[iimcc_score_9]	Assessment of Gottron's papules score	calc Calculation: if([iimcc_gottrons_papules] = " or [iimcc_biopsy_done] = ", ", if([iimcc_gottrons_papules] = '1' and [iimcc_biopsy_done] = '0', 2.1, if([iimcc_gottrons_papules] = '1' and [iimcc_biopsy_done] = '1', 2.7, ")))
	17	[iimcc_score_10]	Assessment of Gottron's sign score	calc Calculation: if([iimcc_gottrons_sign] = " or [iimcc_biopsy_done] = ", ", if([iimcc_gottrons_sign] = '1' and [iimcc_biopsy_done] = '0', 3.3, if([iimcc_gottrons_sign] = '1' and [iimcc_biopsy_done] = '1', 3.7, ")))
	18	[iimcc_score_11]	Assessment of Dysphagia dysmotility score	calc Calculation: if([iimcc_dysphagia] = " or [iimcc_biopsy_done] = ", ", if([iimcc_dysphagia] = '1' and [iimcc_biopsy_done] = '0', 0.7, if([iimcc_dysphagia] = '1' and [iimcc_biopsy_done] = '1', 0.6, ")))
	19	[iimcc_score_12]	Assessment of autoantibody presence score	calc Calculation: if([iimcc_anti_jo1_autoab] = " or [iimcc_biopsy_done] = ", ", if([iimcc_anti_jo1_autoab] = '1' and [iimcc_biopsy_done] = '0', 3.9, if(

				[iimcc_anti_jo1_autoab] = '1' and [iimcc_biopsy_done] = '1', 3.8, ")))		
	20	[iimcc_score_13]	Assessment of elevated enzymes score	calc Calculation: if([iimcc_enzymes] = " or [iimcc_biopsy_done] = " , " , if([iimcc_enzymes] = '1' and [iimcc_biopsy_done] = '0', 1.3, if([iimcc_enzymes] = '1' and [iimcc_biopsy_done] = '1', 1.4, ")))		
	21	[iimcc_score_14]	Assessment of endomysial infiltration score	calc Calculation: if([iimcc_endomysial_infiltrat] = " or [iimcc_biopsy_done] = " , " , if([iimcc_endomysial_infiltrat] = '1' and [iimcc_biopsy_done] = '1', 1.7, "))		
	22	[iimcc_score_15]	Assessment of Perimysial infiltration score	calc Calculation: if([iimcc_perimysial_infiltrat] = " or [iimcc_biopsy_done] = " , " , if([iimcc_perimysial_infiltrat] = '1' and [iimcc_biopsy_done] = '1', 1.2, "))		
	23	[iimcc_score_16]	Assessment of perifascicular atrophy score	calc Calculation: if([iimcc_perifasc_atrophy] = " or [iimcc_biopsy_done] = " , " , if([iimcc_perifasc_atrophy] = '1' and [iimcc_biopsy_done] = '1', 1.9, "))		
	24	[iimcc_score_17]	Assessment of rimmed vacuole in muscle biopsy score	calc Calculation: if([iimcc_rimmed_vacuoles] = " or [iimcc_biopsy_done] = " , " , if([iimcc_rimmed_vacuoles] = '1' and [iimcc_biopsy_done] = '1', 3.1, "))		
	25	[iimcc_total_score]	Total Score:	calc Calculation: round(sum([iimcc_score_2], [iimcc_score_3], [iimcc_score_4], [iimcc_score_5], [iimcc_score_6], [iimcc_score_7], [iimcc_score_8], [iimcc_score_9], [iimcc_score_10], [iimcc_score_11], [iimcc_score_12], [iimcc_score_13], [iimcc_score_14], [iimcc_score_15], [iimcc_score_16], [iimcc_score_17]),1)		
	26	[iimcc_biopsy_done]	1. Was a muscle biopsy performed?	radio, Required <table><tr><td>0</td><td>No</td></tr></table>	0	No
0	No					

				<table><tr><td>1</td><td>Yes</td></tr></table> Custom alignment: RH	1	Yes				
1	Yes									
27	[iimcc_age_less_40] Show the field ONLY if: [iimcc_age_over_40] <> '1'	2a. Age of onset of first symptom assumed to be related to the disease ≥ 18 years and < 40 years.	radio, Required	<table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr><tr><td>-9</td><td>Not Assessed</td></tr></table>	1	Yes	0	No	-9	Not Assessed
1	Yes									
0	No									
-9	Not Assessed									
28	[iimcc_age_over_40] Show the field ONLY if: [iimcc_age_less_40] <> '1'	2b. The assessor's determination of onset age of first symptoms assumed to be related to the disease ≥ 40 years.	radio, Required	<table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr><tr><td>-9</td><td>Not Assessed</td></tr></table>	1	Yes	0	No	-9	Not Assessed
1	Yes									
0	No									
-9	Not Assessed									
29	[iimcc_prox_arm_weakness]	3. Objective symmetric weakness, usually progressive, of the proximal upper extremities	radio, Required	<table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr><tr><td>-9</td><td>Not Assessed</td></tr></table>	1	Yes	0	No	-9	Not Assessed
1	Yes									
0	No									
-9	Not Assessed									
30	[iimcc_prox_leg_weakness]	4. Objective symmetric weakness, usually progressive, of the proximal lower extremities	radio, Required	<table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr><tr><td>-9</td><td>Not Assessed</td></tr></table>	1	Yes	0	No	-9	Not Assessed
1	Yes									
0	No									
-9	Not Assessed									
31	[iimcc_neck_flexor_weakness]	5. Neck flexors are relatively weaker than neck extensors	radio, Required	<table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr><tr><td>-9</td><td>Not Assessed</td></tr></table>	1	Yes	0	No	-9	Not Assessed
1	Yes									
0	No									
-9	Not Assessed									
32	[iimcc_leg_weakness_pattern]	6. In the legs proximal muscles are relatively weaker than distal muscles	radio, Required	<table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr><tr><td>-9</td><td>Not Assessed</td></tr></table>	1	Yes	0	No	-9	Not Assessed
1	Yes									
0	No									
-9	Not Assessed									

33	[iimcc_heliotrope]	7. Heliotrope rash	radio, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr><tr><td>-9</td><td>Not Assessed</td></tr></table>	1	Yes	0	No	-9	Not Assessed
1	Yes								
0	No								
-9	Not Assessed								
34	[iimcc_gottrons_papules]	8. Gottron's papules	radio, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr><tr><td>-9</td><td>Not Assessed</td></tr></table>	1	Yes	0	No	-9	Not Assessed
1	Yes								
0	No								
-9	Not Assessed								
35	[iimcc_gottrons_sign]	9. Gottron's sign	radio, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr><tr><td>-9</td><td>Not Assessed</td></tr></table>	1	Yes	0	No	-9	Not Assessed
1	Yes								
0	No								
-9	Not Assessed								
36	[iimcc_dysphagia]	10. Dysphagia or esophageal dysmotility	radio, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr><tr><td>-9</td><td>Not Assessed</td></tr></table>	1	Yes	0	No	-9	Not Assessed
1	Yes								
0	No								
-9	Not Assessed								
37	[iimcc_anti_jo1_autoab]	11. Anti-Jo-1 (anti-histidyl-tRNA synthetase) autoantibody present	radio, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr><tr><td>-9</td><td>Not Assessed</td></tr></table>	1	Yes	0	No	-9	Not Assessed
1	Yes								
0	No								
-9	Not Assessed								
38	[iimcc_enzymes]	12. Elevated serum levels of creatine kinase (CK)* or lactate dehydrogenase (LDH)* or aspartate aminotransferase (ASAT/AST/SGOT)* or alanine aminotransferase (ALAT/ALT/SGPT)* { *Serum levels above the upper limit of normal }	radio, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr><tr><td>-9</td><td>Not Assessed</td></tr></table>	1	Yes	0	No	-9	Not Assessed
1	Yes								
0	No								
-9	Not Assessed								

39	[iimcc_endomysial_infiltrat] Show the field ONLY if: [iimcc_biopsy_done] = '1'	13. Endomysial infiltration of mononuclear cells surrounding, but not invading, myofibers	radio, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr><tr><td>-9</td><td>Not Assessed</td></tr></table> Field Annotation: @IF([iimcc_biopsy_done]='0',@SETVALUE='-9',@DEFAULT='')	1	Yes	0	No	-9	Not Assessed
1	Yes								
0	No								
-9	Not Assessed								
40	[iimcc_perimysial_infiltrat] Show the field ONLY if: [iimcc_biopsy_done] = '1'	14. Perimysial and/or perivascular infiltration of mononuclear cells	radio, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr><tr><td>-9</td><td>Not Assessed</td></tr></table> Field Annotation: @IF([iimcc_biopsy_done]='0',@SETVALUE='-9',@DEFAULT='')	1	Yes	0	No	-9	Not Assessed
1	Yes								
0	No								
-9	Not Assessed								
41	[iimcc_perifasc_atrophy] Show the field ONLY if: [iimcc_biopsy_done] = '1'	15. Perifascicular atrophy	radio, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr><tr><td>-9</td><td>Not Assessed</td></tr></table> Field Annotation: @IF([iimcc_biopsy_done]='0',@SETVALUE='-9',@DEFAULT='')	1	Yes	0	No	-9	Not Assessed
1	Yes								
0	No								
-9	Not Assessed								
42	[iimcc_rimmed_vacuoles] Show the field ONLY if: [iimcc_biopsy_done] = '1'	16. Rimmed vacuoles	radio, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr><tr><td>-9</td><td>Not Assessed</td></tr></table> Field Annotation: @IF([iimcc_biopsy_done]='0',@SETVALUE='-9',@DEFAULT='')	1	Yes	0	No	-9	Not Assessed
1	Yes								
0	No								
-9	Not Assessed								
43	[iimcc_iim_classification]	Total Score for IIM Classification (Numeric)	calc Calculation: if(((iimcc_biopsy_done]= 1 and [iimcc_total_score]>=8.7), '3', if(((iimcc_biopsy_done]= 0 and [iimcc_total_score]>=7.5), '3',						

				if([iimcc_biopsy_done]= 1 and [iimcc_total_score]>=6.7), '2', if([iimcc_biopsy_done]= 0 and [iimcc_total_score]>=5.5), '2', if([iimcc_biopsy_done]= 1 and [iimcc_total_score]>=6.5), '1', if([iimcc_biopsy_done]= 0 and [iimcc_total_score]>=5.3), '1', if([iimcc_biopsy_done]= 1 and [iimcc_total_score]< 6.5), '0', if([iimcc_biopsy_done]= 0 and [iimcc_total_score]< 5.3), '0', '')))))) Field Annotation: @HIDDEN
44	[iimcc_classification_text]	IIM Classification:		text Field Annotation: @CALCTEXT(if([iimcc_biopsy_done] = 1 and [iimcc_total_score] >= 8.7), 'DEFINITE IIM', if([iimcc_biopsy_done] = 0 and [iimcc_total_score] >= 7.5), 'DEFINITE IIM', if([iimcc_biopsy_done] = 1 and [iimcc_total_score] >= 6.7), 'PROBABLE IIM', if([iimcc_biopsy_done] = 0 and [iimcc_total_score] >= 5.5), 'PROBABLE IIM', if([iimcc_biopsy_done] = 1 and [iimcc_total_score] >= 6.5), 'POSSIBLE IIM', if([iimcc_biopsy_done] = 0 and [iimcc_total_score] >= 5.3), 'POSSIBLE IIM', if([iimcc_biopsy_done] = 1 and [iimcc_total_score] < 6.5, 'Not Meeting Criteria for IIM', if([iimcc_biopsy_done] = 0 and [iimcc_total_score] < 5.3, 'Not Meeting Criteria for IIM', ''))))))
45	[iimcc_subclass_table_desc]	Section Header: Sub-classification: Meet probable or definite IIM criteria + the following based on classification tree: Dermatomyositis (DM): Heliotrope or Gottron's papules or Gottron's sign with any 1 pattern of weakness. Amyopathic DM: any 1 of the characteristic DM rashes, without weakness Polymyositis (PM) (or Immune-mediated necrotizing myopathy, IMNM): no characteristic rashes, requires muscle biopsy Inclusion body myositis (IBM): No characteristic rashes. One of these 2 are required for diagnosis:Finger flexor weakness and response to treatment: not improved, or Muscle biopsy: rimmed vacuoles JDM: Age onset < 18 years, 1 of the characteristic DM rashes Juvenile Myositis other than		descriptive

			JDM: onset < 18yo without 1 of the characteristic DM rashes	
	46	[iimcc_subclass_table]	SUBCLASSIFICATION CRITERIA 1. Age of onset of first symptom assumed to be related to the disease < 18 years [iimcc_sub_age_txt] 2. Heliotrope rash or Gottron's papules or Gottron's sign [iimcc_heliotrope] [iimcc_gottrons_papules] [iimcc_gottrons_sign] 3. Objective symmetric weakness, usually progressive, of the proximal upper extremities, or Objective symmetric weakness, usually progressive, of the proximal lower extremities, or Neck flexors are relatively weaker than neck extensors or In the legs proximal muscles are relatively weaker than distal muscles [iimcc_prox_arm_weakness] [iimcc_prox_leg_weakness] [iimcc_neck_flexor_weakness] [iimcc_leg_weakness_pattern] 4. Finger Flexor weakness, and Response to Immunosuppressive Treatment: Not improved {iimcc_sub_finger_flex_weak} {iimcc_sub_resp_immuno_tx} 5. Muscle biopsy: rimmed vacuoles [iimcc_rimmed_vacuoles] SUBCLASSIFICATION: {iimcc_sub_classification} Comment: {iimcc_sub_comment}	descriptive

47	[iimcc_sub_age]	1. Age of onset of first symptom assumed to be related to the disease < 18 years	calc, Required Calculation: if([iimcc_age_over_40]='1' and [iimcc_age_less_40]='0'),'0', if([iimcc_age_over_40]='1' and [iimcc_age_less_40]='-9'),'0', if([iimcc_age_over_40]='1' and [iimcc_age_less_40]=''),'0', if([iimcc_age_over_40]='1' and [iimcc_age_less_40]='1'), ", if([iimcc_age_over_40]='0' and [iimcc_age_less_40]='1'),'0', if([iimcc_age_over_40]='-9' and [iimcc_age_less_40]='1'),'0', if([iimcc_age_over_40]='' and [iimcc_age_less_40]='1'),'0', if([iimcc_age_over_40]='-9' and [iimcc_age_less_40]='-9'),'0', if([iimcc_age_over_40]='0' and [iimcc_age_less_40]='0'),'1', '')))))) Custom alignment: RH Field Annotation: @HIDDEN
48	[iimcc_sub_age_txt]	1. Age of onset of first symptom assumed to be related to the disease < 18 years	text, Required Custom alignment: RH Field Annotation: @CALCTEXT(if([iimcc_age_over_40]='1' and [iimcc_age_less_40]='0'),'No', if([iimcc_age_over_40]='1' and [iimcc_age_less_40]='-9'),'No', if([iimcc_age_over_40]='1' and [iimcc_age_less_40]=''),'No', if([iimcc_age_over_40]='1' and [iimcc_age_less_40]='1'), ", if([iimcc_age_over_40]='0' and [iimcc_age_less_40]='1'),'No', if([iimcc_age_over_40]='-9' and [iimcc_age_less_40]='1'),'No', if([iimcc_age_over_40]='' and [iimcc_age_less_40]='1'),'No', if([iimcc_age_over_40]='-9' and [iimcc_age_less_40]='-9'),'Not Assessed', if([iimcc_age_over_40]='0' and [iimcc_age_less_40]='0'),'Yes', '')))))) @HIDDEN

49	[iimcc_sub_finger_flex_weak]	4a. Finger Flexor weakness	radio, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr><tr><td>-9</td><td>N/A</td></tr></table> Custom alignment: RH	1	Yes	0	No	-9	N/A
1	Yes								
0	No								
-9	N/A								
50	[iimcc_sub_resp_immuno_tx]	4b. Response to Immunosuppressive Treatment: Not improved	radio, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr><tr><td>-9</td><td>N/A</td></tr></table> Custom alignment: RH	1	Yes	0	No	-9	N/A
1	Yes								
0	No								
-9	N/A								
51	[iimcc_sub_comment]	Comments	text						
52	[iimcc_dm]	Dermatomyositis (DM) Criteria based on algorithm of IIM Sub-classification criteria tree	calc Calculation: if(([iimcc_iim_classification] = '3' or [iimcc_iim_classification] = '2') and [iimcc_sub_age] = '0' and ([iimcc_heliotrope] = '1' or [iimcc_gottrons_papules] = '1' or [iimcc_gottrons_sign] = '1') and ([iimcc_prox_arm_weakness] = '1' or [iimcc_prox_leg_weakness] = '1' or [iimcc_neck_flexor_weakness] = '1' or [iimcc_leg_weakness_pattern] = '1'), 1, '') Field Annotation: @HIDDEN						
53	[iimcc_amyopathic_dm]	Amyopathic Dermatomyositis (ADM) Criteria based on algorithm of IIM Sub-classification criteria tree	calc Calculation: if(([iimcc_iim_classification] = '3' or [iimcc_iim_classification] = '2') and [iimcc_sub_age] = '0' and ([iimcc_heliotrope] = '1' or [iimcc_gottrons_papules] = '1' or [iimcc_gottrons_sign] = '1') and (([iimcc_prox_arm_weakness] = '0' or [iimcc_prox_arm_weakness] = '-9' or [iimcc_prox_arm_weakness] = '') and ([iimcc_prox_leg_weakness] = '0' or [iimcc_prox_leg_weakness] = '-9' or						

				[iimcc_prox_leg_weakness] = '') and ([iimcc_neck_flexor_weakness] = '0' or [iimcc_neck_flexor_weakness] = '-9' or [iimcc_neck_flexor_weakness] = '') and ([iimcc_leg_weakness_pattern] = '0' or [iimcc_leg_weakness_pattern] = '-9' or [iimcc_leg_weakness_pattern] = ''), 1, '') Field Annotation: @HIDDEN
	54	[iimcc_pm_imnm]	Polymyositis/IMNM Criteria based on algorithm of IIM Sub-classification criteria tree	calc Calculation: if(([iimcc_iim_classification] = '3' or [iimcc_iim_classification] = '2') and [iimcc_sub_age] = '0' and ([iimcc_heliotrope] = '0' or [iimcc_heliotrope] = '-9' or [iimcc_heliotrope] = '') and ([iimcc_gottrons_papules] = '0' or [iimcc_gottrons_papules] = '-9' or [iimcc_gottrons_papules] = '') and ([iimcc_gottrons_sign] = '0' or [iimcc_gottrons_sign] = '-9' or [iimcc_gottrons_sign] = '') and (([iimcc_sub_finger_flex_weak] <> '1' or [iimcc_sub_resp_immuno_tx] <> '1') and [iimcc_rimmed_vacuoles] <> '1')), 1, '') Field Annotation: @HIDDEN
	55	[iimcc_ibm]	Inclusion Body Myositis (IBM) Criteria based on algorithm of IIM Sub-classification criteria tree	calc Calculation: if(([iimcc_iim_classification] = '3' or [iimcc_iim_classification] = '2') and [iimcc_sub_age] = '0' and ([iimcc_heliotrope] = '0' or [iimcc_heliotrope] = '-9' or [iimcc_heliotrope] = '') and ([iimcc_gottrons_papules] = '0' or [iimcc_gottrons_papules] = '-9' or [iimcc_gottrons_papules] = '') and ([iimcc_gottrons_sign] = '0' or [iimcc_gottrons_sign] = '-9' or [iimcc_gottrons_sign] = '') and (([iimcc_sub_finger_flex_weak] = '1' and [iimcc_sub_resp_immuno_tx] = '1') or [iimcc_rimmed_vacuoles] = '1')), 1, '') Field Annotation: @HIDDEN
	56	[iimcc_jdm]	Juvenile Dermatomyositis (JDM) Criteria based on algorithm of IIM Sub-classification criteria tree	calc Calculation: if(([iimcc_iim_classification] = '3' or [iimcc_iim_classification] = '2') and [iimcc_sub_age] =

				'1' and ([iimcc_heliotrope] = '1' or [iimcc_gottrons_papules] = '1' or [iimcc_gottrons_sign] = '1'), 1, ") Field Annotation: @HIDDEN
	57	[iimcc_juvenile_other]	Juvenile Myositis Other than JDM Criteria based on algorithm of IIM Sub-classification criteria tree	calc Calculation: if(([iimcc_iim_classification] = '3' or [iimcc_iim_classification] = '2') and [iimcc_sub_age] = '1' and ([iimcc_heliotrope] = '0' or [iimcc_heliotrope] = '-9' or [iimcc_heliotrope] = ") and ([iimcc_gottrons_papules] = '0' or [iimcc_gottrons_papules] = '-9' or [iimcc_gottrons_papules] = ") and ([iimcc_gottrons_sign] = '0' or [iimcc_gottrons_sign] = '-9' or [iimcc_gottrons_sign] = "), 1, ") Field Annotation: @HIDDEN
	58	[iimcc_not_met]	Not Meeting Myositis Criteria based on algorithm of IIM Sub-classification criteria tree	calc Calculation: if([iimcc_dm] = " and [iimcc_amyopathic_dm] = " and [iimcc_pm_imnm] = " and [iimcc_ibm] = " and [iimcc_jdm] = " and [iimcc_juvenile_other] = " , 1, ") Field Annotation: @HIDDEN
	59	[iimcc_sub_classification]	IIM SUBCLASSIFICATION:	text Field Annotation: @CALCTEXT(if([iimcc_dm] = 1, "DM", if([iimcc_amyopathic_dm] = 1, "Amyopathic DM", if([iimcc_pm_imnm] = 1, "PM (IMNM)", if([iimcc_ibm] = 1, "IBM", if([iimcc_jdm] = 1, "JDM", if([iimcc_juvenile_other] = 1, "Juvenile myositis other than JDM", "))))))
	60	[iimcc_classification]	IIM CLASSIFICATION	text Field Annotation: @CALCTEXT([iimcc_iim_classification])
	61	[iimcc_sub_gottrons_papules]	Gottron's papules	text Field Annotation: @CALCTEXT([iimcc_gottrons_papules])
	62	[iimcc_sub_gottrons_sign]	Gottron's sign	text Field Annotation: @CALCTEXT([iimcc_gottrons_sign])

63	[iimcc_sub_heliotrope]	Heliotrope rash	text Field Annotation: @CALCTEXT([iimcc_heliotrope])
64	[iimcc_sub_leg_weak_patter n]	In the legs proximal muscles are relatively weaker than distal muscles	text Field Annotation: @CALCTEXT([iimcc_leg_weakness_pattern])
65	[iimcc_sub_neck_flex_weak]	Neck flexors are relatively weaker than neck extensors	text Field Annotation: @CALCTEXT([iimcc_neck_flexor_weakness])
66	[iimcc_sub_prox_arm_weak]	Objective symmetric weakness, usually progressive, of the proximal upper extremities	text Field Annotation: @CALCTEXT([iimcc_prox_arm_weakness])
67	[iimcc_sub_prox_leg_weak]	Objective symmetric weakness, usually progressive, of the proximal lower extremities	text Field Annotation: @CALCTEXT([iimcc_prox_leg_weakness])
68	[iimcc_sub_rimmed_vacuole s]	Muscle biopsy: rimmed vacuole	text Field Annotation: @CALCTEXT([iimcc_rimmed_vacuoles])
69	[iimcc_crit_tree]	*: finger flexor weakness and response to treatment: not improved**: rimmed vacuoles***: Juvenile myositis other than juvenile dermatomyositis (JDM) was developed based on expert opinion.	descriptive
70	[iimcc_def_or_vars]	Definitions of the Variables - Features present at any time during disease course Muscle weaknessObjective symmetric weakness, usually progressive, of the proximal upper extremities: Weakness of proximal upper extremities as defined by manual muscle testing or other objective strength testing, which is present on both sides and is usually progressive over timeObjective symmetric weakness, usually progressive, of the proximal lower extremities: Weakness of proximal lower extremities as defined by manual muscle testing or other objective strength testing, which is present on both sides and is usually progressive over timeNeck flexors are relatively weaker than neck extensors: Muscle grades for neck flexors are relatively lower than neck extensors as defined by manual muscle testing or other objective strength testingIn the legs, proximal muscles are relatively weaker	descriptive

than distal muscles: Muscle grades for proximal muscles in the legs are relatively lower than distal muscles in the legs as defined by manual muscle testing or other objective strength testing Skin manifestationsHeliotrope rash: Purple, lilac-colored or erythematous patches over the eyelids or in a periorbital distribution, often associated with periorbital edemaGottron's papules: Erythematous to violaceous papules over the extensor surfaces of joints, which are sometimes scaly. May occur over the finger joints, elbows, knees, malleoli and toesGottron's sign: Erythematous to violaceous macules over the extensor surfaces of joints, which are not palpable Other clinical manifestationsDysphagia or esophageal dysmotility: Difficulty in swallowing or objective evidence of abnormal motility of the esophagus Laboratory measurementsAnti-Jo-1 (anti-histidyl-tRNA synthetase) autoantibody present: Autoantibody testing in serum performed with standardized and validated test, showing positive resultElevated serum levels of creatine kinase (CK) or lactate dehydrogenase (LD) or aspartate aminotransferase (ASAT/AST/SGOT) or alanine aminotransferase (ALAT/ALT/SGPT): The most abnormal test values during the disease course (highest absolute level of enzyme) above the relevant upper limit of normal Muscle biopsy features-presence of:Endomysial infiltration of mononuclear cells surrounding, but not invading, myofibres: Muscle biopsy reveals endomysial mononuclear cells abutting the sarcolemma of otherwise healthy, non-necrotic muscle fibers, but there is no clear invasion of the muscle fibers Perimysial and/or perivascular infiltration of mononuclear cells:Mononuclear cells are located in the perimysium and/or located around blood vessels (in either perimysial or endomysial vessels)Perifascicular atrophy: Muscle biopsy reveals several rows of muscle fibers, which are smaller in the perifascicular region than fibers more centrally locatedRimmed vacuoles: Rimmed vacuoles are bluish by H&E staining and reddish by modified Gomori trichrome stains

	71	[eular_acr_myositis_classification_criteria_2017_complete]	Section Header: <i>Form Status</i> Complete?	dropdown <table><tr><td>0</td><td>Incomplete</td></tr><tr><td>1</td><td>Unverified</td></tr><tr><td>2</td><td>Complete</td></tr></table>	0	Incomplete	1	Unverified	2	Complete
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