

Data Dictionary Codebook

IMACS Codebooks (PID: 483)

09/04/2026 5:17pm

Instruments	
Instrument	Form Name
Myositis Damage Index (MDI)	myositis_damage_index_mdi

[Collapse all instruments](#)

#	Variable / Field Name	Field Label <i>Field Note</i>	Field Attributes (Field Type, Validation, Choices, Calculations, etc.)
Instrument: Myositis Damage Index (MDI) (myositis_damage_index_mdi)			
1	[study_id]	Study ID	text
2	[mdi_imacs_number]	Section Header: <i>Please see the instructions and Myositis Damage Index Glossary of Terms Prior to Assessment (at bottom).</i> Subject's IMACS number:	text, Required
3	[mdi_assessor]	ASSESSOR:	text, Required
4	[mdi_date_assess]	Date Assessed:	text (date_mdy), Required Field Annotation: @PREVENT-FUTUREDATE
5	[mdi_assess_num]	Assessment number:	text, Required
6	[mdi_muscle_table]	MUSCLE DAMAGE {mdi_musc_dam_vas} Line Length: {mdi_musc_dam_vas_length} mm Maximum Value Guidelines (Examples of maximal score) Severe muscle atrophy or weakness resulting in being bed bound and an inability to perform self care	descriptive
7	[mdi_musc_dam_vas]	Muscle Damage: Measure of mark, from left on hard copy (mm) <i>mm</i>	slider (Min: 0, Max: 100), Required Slider labels: (Absent), , (Maximum) Custom alignment: RH

8	[mdi_musc_dam_vas_length]	Muscle Damage: Total measure of line on hard copy (mm) <i>mm</i>	text (number, Min: 0), Required Custom alignment: RH Field Annotation: @DEFAULT = "100"						
9	[mdi_musc_atrophy]	Section Header: <i>MUSCLE DAMAGE</i> 1. Muscle atrophy (clinical)	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
10	[mdi_musc_weakness]	2. Muscle weakness not attributable to active muscle disease	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
11	[mdi_musc_dysfunction]	3. Muscle dysfunction: decrease in aerobic exercise capacity	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
12	[mdi_musc_atrophy_radiogr]	4. Muscle atrophy assessed by radiographic methods	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
13	[mdi_musc_lowcreatinine]	5. Low serum creatinine Creatinine value = mg/dL or umol/L; lower limit normal value	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
14	[mdi_musc_llncreat]	Creatinine value/lower limit normal value unit:	radio <table><tr><td>1</td><td>mg/dL</td></tr><tr><td>2</td><td>umol/L</td></tr></table>	1	mg/dL	2	umol/L		
1	mg/dL								
2	umol/L								
15	[mdi_musc_creatval]	Creatinine value:	text (number, Min: 0, Max: 265.2)						
16	[mdi_musc_lowcreat_lln_val]	Creatinine lower limit normal value unit:	text (number, Min: 0, Max: 200)						

17	[mdi_skeletal_table]	SKELETAL DAMAGE {mdi_skel_dam_vas} Line Length: {mdi_skel_dam_vas_length} mm Maximum Value Guidelines (Examples of maximal score) -Life threatening fractures from osteoporosis -Avascular necrosis requiring arthroplasty	descriptive						
18	[mdi_skel_dam_vas]	Skeletal Damage: Measure of mark, from left on hard copy (mm) <i>mm</i>	slider (Min: 0, Max: 100), Required Slider labels: (Absent), , (Maximum) Custom alignment: RH						
19	[mdi_skel_dam_vas_length]	Skeletal Damage: Total measure of line on hard copy (mm) <i>mm</i>	text (number, Min: 0), Required Custom alignment: RH Field Annotation: @DEFAULT = "100"						
20	[mdi_skel_contracture]	Section Header: <i>SKELETAL DAMAGE</i> 6. Joint contractures	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
21	[mdi_skel_osteoporosis]	7. Osteoporosis with fracture or vertebral collapse (excluding avascular necrosis)	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
22	[mdi_skel_avasc_necrosis]	8. Avascular necrosis	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
23	[mdi_skel_arthropathy]	9. Deforming arthropathy (including reducible deformities, excluding avascular necrosis and contractures)	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								

24	[mdi_skel_osteoporosis_tx]	10. Osteoporosis without clinical fracture, requiring treatment of osteoporosis	radio (Matrix) <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
25	[mdi_skeletal_damage_motion]	11. Skeletal Damage: Limitation of motion (Passive Joint ROM in degrees) : Right Left SKELETAL DAMAGE a. Elbow extension (degrees): {mdi_skel_rom_elbowext_r} {mdi_skel_rom_elbowext_l} {mdi_skel_lom_elbow_ext} b. Hip flexion (degrees): {mdi_skel_rom_hip_flex_r} {mdi_skel_rom_hip_flex_l} {mdi_skel_lom_hip_flex} c. Knee extension (degrees): {mdi_skel_rom_knee_ext_r} {mdi_skel_rom_knee_ext_l} {mdi_skel_lom_knee_ext} d. Ankle dorsiflesion (degrees): {mdi_skel_rom_ankle_df_r} {mdi_skel_rom_ankle_df_l} {mdi_skel_lom_ankle_df}	descriptive						
26	[mdi_skel_rom_elbowext_r]	Elbow extension (degrees) R	text (integer, Min: -50, Max: 10)						
27	[mdi_skel_rom_elbowext_l]	Elbow extension (degrees) L	text (integer, Min: -50, Max: 10)						
28	[mdi_skel_lom_elbow_ext]	Limitation of motion elbow extension	radio, Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table> Custom alignment: LH	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
29	[mdi_skel_rom_hip_flex_r]	Hip flexion (degrees) R	text (integer, Min: 0, Max: 120)						
30	[mdi_skel_rom_hip_flex_l]	Hip flexion (degrees) L	text (integer, Min: 0, Max: 120)						
31	[mdi_skel_lom_hip_flex]	Limitation of motion hip flexion	radio, Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table> Custom alignment: LH	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
32	[mdi_skel_rom_knee_ext_r]	Knee extension (degrees) R	text (integer, Min: -90, Max: 10)						
33	[mdi_skel_rom_knee_ext_l]	Knee extension (degrees) L	text (integer, Min: -90, Max: 10)						

34	[mdi_skel_lom_knee_ext]	Limitation of motion knee extension	radio, Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table> Custom alignment: LH	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
35	[mdi_skel_rom_ankle_df_r]	Ankle dorsiflexion (degrees) R	text (integer, Min: -10, Max: 20)						
36	[mdi_skel_rom_ankle_df_l]	Ankle dorsiflexion (degrees) L	text (integer, Min: -10, Max: 20)						
37	[mdi_skel_lom_ankle_df]	Limitation of motion ankle dorsiflexion	radio, Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table> Custom alignment: LH	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
38	[mdi_cutaneous_table]	CUTANEOUS DAMAGE {mdi_cutan_dam_vas} Line Length: {mdi_cutan_dam_vas_length} mm Maximum Value Guidelines (Examples of maximal score) Calcinosis with extensive subcutaneous exoskeleton resulting in extreme loss of function (bedridden, inability for self care)	descriptive						
39	[mdi_cutan_dam_vas]	Cutaneous Damage: Measure of mark, from left on hard copy (mm) <i>mm</i>	slider (Min: 0, Max: 100), Required Slider labels: (Absent), , (Maximum) Custom alignment: RH						
40	[mdi_cutan_dam_vas_length]	Cutaneous Damage: Total measure of line on hard copy (mm) <i>mm</i>	text (number, Min: 0), Required Custom alignment: RH Field Annotation: @DEFAULT = "100"						
41	[mdi_cutan_calcinosis]	Section Header: <i>CUTANEOUS DAMAGE</i> 12. Calcinosis:	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr></table>	0	0	1	1		
0	0								
1	1								

				<table><tr><td>-9</td><td>NA</td></tr></table>	-9	NA			
-9	NA								
42	[mdi_cutan_calc_plaque]	a. Calcinosis, superficial plaques or nodules	radio (Matrix) <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
43	[mdi_cutan_calc_tumoral]	b. Calcinosis, tumoral	radio (Matrix) <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
44	[mdi_cutan_calc_planar]	c. Calcinosis, planar	radio (Matrix) <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
45	[mdi_cutan_calc_exoskel]	d. Calcinosis, exoskeleton/calcinosis universalis	radio (Matrix) <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
46	[mdi_cutan_alopecia]	13. Alopecia	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
47	[mdi_cutan_atrophy]	14. Cutaneous scarring or atrophy	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
48	[mdi_cutan_poikiloderma]	15. Poikiloderma	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr></table>	0	0				
0	0								

				<table><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	1	1	-9	NA		
1	1									
-9	NA									
49	[mdi_cutan_lipodystrophy]	16. Lipodystrophy		radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0									
1	1									
-9	NA									
50	[mdi_gastrointestinal_table]	GASTROINTESTINAL DAMAGE {mdi_gi_dam_vas} Line Length: {mdi_gi_dam_vas_length} mm Maximum Value Guidelines (Examples of maximal score) Extreme dysfunction requiring total parenteral nutrition		descriptive						
51	[mdi_gi_dam_vas]	Gastrointestinal Damage: Measure of mark, from left on hard copy (mm) mm		slider (Min: 0, Max: 100), Required Slider labels: (Absent), , 						

				<table><tr><td>-9</td><td>NA</td></tr></table>	-9	NA				
-9	NA									
56	[mdi_gi_steatosis]	20. Steatosis		radio (Matrix) <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0									
1	1									
-9	NA									
57	[mdi_pulmonary_table]	PULMONARY DAMAGE {mdi_pulm_dam_vas} Line Length: {mdi_pulm_dam_vas_length} mm Maximum Value Guidelines (Examples of maximal score) -Fibrosis requiring ventilatory support; or -Pulmonary hypertension resulting in extreme loss of function (bedridden, inability for self care)		descriptive						
58	[mdi_pulm_dam_vas]	Pulmonary Damage: Measure of mark, from left on hard copy (mm) <i>mm</i>		slider (Min: 0, Max: 100), Required Slider labels: (Absent), , (Maximum) Custom alignment: RH						
59	[mdi_pulm_dam_vas_length]	Pulmonary Damage: Total measure of line on hard copy (mm) <i>mm</i>		text (number, Min: 0), Required Custom alignment: RH Field Annotation: @DEFAULT = "100"						
60	[mdi_pulm_dysphonia]	Section Header: <i>PULMONARY DAMAGE</i> 21. Dysphonia		radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0									
1	1									
-9	NA									
61	[mdi_pulm_impair_lung_fct]	22. Impaired lung function due to respiratory muscle damage		radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0									
1	1									
-9	NA									
62	[mdi_pulm_fibrosis]	23. Pulmonary fibrosis		radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr></table>	0	0	1	1		
0	0									
1	1									

				<table><tr><td>-9</td><td>NA</td></tr></table>	-9	NA				
-9	NA									
63	[<i>mdi_pulm_hypertension</i>]	24. Pulmonary hypertension		radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0									
1	1									
-9	NA									
64	[<i>mdi_pulm_dlco</i>]	25a. Diminished lung function: DL-CO/Va (Carbon monoxide diffusing capacity corrected for alveolar volume) (% Predicted = %)		radio <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table> Custom alignment: RH	0	0	1	1	-9	NA
0	0									
1	1									
-9	NA									
65	[<i>mdi_pulm_dlco_perct_pred</i>]	25a. Diminished lung function: DL-CO/Va (Carbon monoxide diffusing capacity corrected for alveolar volume) (% Predicted) %		text (integer, Min: 20, Max: 140)						
66	[<i>mdi_pulm_fev1</i>]	25b. Diminished lung function: FEV1 (forced expiratory volume in 1 second) (% predicted = %)		radio <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table> Custom alignment: RH	0	0	1	1	-9	NA
0	0									
1	1									
-9	NA									
67	[<i>mdi_pulm_fev1_perct_pred</i>]	25b. Diminished lung function: FEV1 (forced expiratory volume in 1 second)(% predicted) %		text (integer, Min: 20, Max: 120)						
68	[<i>mdi_cardio_table</i>]	CARDIOVASCULAR DAMAGE { <i>mdi_cv_dam_vas</i> } Line Length: { <i>mdi_cv_dam_vas_length</i> } mm Maximum Value Guidelines (Examples of maximal score) -Myocardial dsyfunction resulting in extreme loss of function (bedridden, inability for self care)		descriptive						
69	[<i>mdi_cv_dam_vas</i>]	Cardiovascular Damage: Measure of mark, from left on hard copy (mm) <i>mm</i>		slider (Min: 0, Max: 100), Required Slider labels: (Absent), ,						

				(Maximum) Custom alignment: RH						
	70	[mdi_cv_dam_vas_length]	Cardiovascular Damage: Total measure of line on hard copy (mm) <i>mm</i>	text (number, Min: 0), Required Custom alignment: RH Field Annotation: @DEFAULT = "100"						
	71	[mdi_patient_age]	Is the patient ≥ 18 years of age	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table> Custom alignment: RH	1	Yes	0	No		
1	Yes									
0	No									
	72	[mdi_cv_hypertension]	Section Header: <i>CARDIOVASCULAR DAMAGE</i> 26. Hypertension requiring treatment > 6 months	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0									
1	1									
-9	NA									
	73	[mdi_cv_vent_dysfct]	27. Ventricular dysfunction / cardiomyopathy	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0									
1	1									
-9	NA									
	74	[mdi_cv_angina] Show the field ONLY if: [mdi_patient_age] = '1'	Assessed in Adult Patients >= 18 years of age:28. Angina or coronary artery bypass	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0									
1	1									
-9	NA									
	75	[mdi_cv_myocardialinfarct] Show the field ONLY if: [mdi_patient_age] = '1'	Assessed in Adult Patients >= 18 years of age:29. Myocardial infarction	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0									
1	1									
-9	NA									
	76	[mdi_perivasc_table]	PERIPHERAL VASCULAR DAMAGE { mdi_perivasc_dam_vas } Line Length: { mdi_perivasc_dam_vas_lengt } mm Maximum Value Guidelines (Examples of maximal score)	descriptive						

			-Limb loss; or -Thrombosis requiring intensive care unit (ICU) care; or -Severe disease resulting in extreme loss of function (bedridden, inability for self care)							
	77	[mdi_perivasc_dam_vas]	Peripheral Vascular Damage: Measure of mark, from left on hard copy (mm) mm	slider (Min: 0, Max: 100), Required Slider labels: (Absent), , (Maximum) Custom alignment: RH						
	78	[mdi_perivasc_dam_vas_length]	Peripheral Vascular Damage: Total measure of line on hard copy (mm) mm	text (number, Min: 0), Required Custom alignment: RH Field Annotation: @DEFAULT = "100"						
	79	[mdi_perivasc_pulploss]	Section Header: PERIPHERAL VASCULAR DAMAGE 30. Tissue or pulp loss	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0									
1	1									
-9	NA									
	80	[mdi_perivasc_digitloss]	31. Digit or limb loss or resection	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0									
1	1									
-9	NA									
	81	[mdi_perivasc_thrombosis]	32. Venous or arterial thrombosis with swelling, ulceration or venous stasis	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0									
1	1									
-9	NA									
	82	[mdi_perivasc_claudication] Show the field ONLY if: [mdi_patient_age] = '1'	Assessed in Adult Patients >= 18 years of age:33. Claudication	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0									
1	1									
-9	NA									
	83	[mdi_endocr_table]	ENDOCRINE DAMAGE {mdi_endocr_dam_vas} Line Length: {mdi_endocr_dam_vas_length} mm Maximum Value Guidelines (Examples of maximal score)	descriptive						

			Extreme disease resulting in ICU care or life threatening complications, such as ICU stay for seizures of DKA; renal failure, amputation							
	84	[mdi_endocr_dam_vas]	Endocrine Damage: Measure of mark, from left on hard copy (mm) <i>mm</i>	slider (Min: 0, Max: 100), Required Slider labels: (Absent), , (Maximum) Custom alignment: RH						
	85	[mdi_endocr_dam_vas_length]	Endocrine Damage: Total measure of line on hard copy (mm) <i>mm</i>	text (number, Min: 0), Required Custom alignment: RH Field Annotation: @DEFAULT = "100"						
	86	[mdi_endocr_growth_fail] Show the field ONLY if: [mdi_patient_age] = '0'	Section Header: <i>ENDOCRINE DAMAGE</i> Assessed in Adult Patients before 18 years of age:34. Growth failure	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table> Field Annotation: Assessed in Patients with diagnosis before 18 years of age:	0	0	1	1	-9	NA
0	0									
1	1									
-9	NA									
	87	[mdi_endocr_sex_delay] Show the field ONLY if: [mdi_patient_age] = '0'	Assessed in Adult Patients before 18 years of age:35. Delay in development of secondary sexual characteristics	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table> Field Annotation: Assessed in Patients with diagnosis before 18 years of age:	0	0	1	1	-9	NA
0	0									
1	1									
-9	NA									
	88	[mdi_endocr_hirsutism]	Assessed in Both Pediatric and Adult Patients:36. Hirsutism or Hypertrichosis	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table> Field Annotation: Assessed in Both Pediatric and Adult Patients:	0	0	1	1	-9	NA
0	0									
1	1									
-9	NA									

89	[mdi_endocr_irreg_menses]	Assessed in Both Pediatric and Adult Patients:37. Irregular menses	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table> Field Annotation: Assessed in Both Pediatric and Adult Patients:	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
90	[mdi_endocr_amenorrhea]	Assessed in Both Pediatric and Adult Patients:38. Primary or Secondary Amenorrhea	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table> Field Annotation: Assessed in Both Pediatric and Adult Patients:	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
91	[mdi_endocr_diabetes]	Assessed in Both Pediatric and Adult Patients:39. Diabetes	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table> Field Annotation: Assessed in Both Pediatric and Adult Patients:	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
92	[mdi_endocr_hyperlipid]	40. Hyperlipidemia (regardless of treatment)	radio (Matrix) <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								

93	[mdi_endocr_infertility] Show the field ONLY if: [mdi_patient_age] = '1'	Assessed in Adult Patient (>= 18 years of age and adolescent patients when applicable)41. Infertility (female or male)	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table> Field Annotation: Assessed in Adult Patients (> = 18 years of age and adolescent patients when applicable)	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
94	[mdi_endocr_sex_dysfct] Show the field ONLY if: [mdi_patient_age] = '1'	Assessed in Adult Patient (>= 18 years of age and adolescent patients when applicable)42. Sexual dysfunction	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table> Field Annotation: Assessed in Adult Patients (> = 18 years of age and adolescent patients when applicable)	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
95	[mdi_ocular_table]	OCULAR DAMAGE {mdi_ocul_dam_vas} Line Length: {mdi_ocul_dam_vas_length} mm Maximum Value Guidelines (Examples of maximal score) Complete loss of vision in both eyes	descriptive						
96	[mdi_ocul_dam_vas]	Ocular Damage: Measure of mark, from left on hard copy (mm) <i>mm</i>	slider (Min: 0, Max: 100), Required Slider labels: (Absent), , (Maximum) Custom alignment: RH						
97	[mdi_ocul_dam_vas_length]	Ocular Damage: Total measure of line on hard copy (mm) <i>mm</i>	text (number, Min: 0), Required Custom alignment: RH Field Annotation: @DEFAULT = "100"						
98	[mdi_ocul_cataract]	Section Header: <i>OCULAR DAMAGE</i> 43. Cataract resulting in visual loss	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
99	[mdi_ocul_visual_loss]	44. Visual loss, other, not secondary to cataracts	radio (Matrix), Required						

				<table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0									
1	1									
-9	NA									
	100	[mdi_infect_table]	INFECTION {mdi_infect_dam_vas} Line Length: {mdi_infect_dam_vas_length} mm Maximum Value Guidelines (Examples of maximal score) Infection resulting in septic shock or life threatening complications	descriptive						
	101	[mdi_infect_dam_vas]	Infection Damage: Measure of mark, from left on hard copy (mm) <i>mm</i>	slider (Min: 0, Max: 100), Required Slider labels: (Absent), , (Maximum) Custom alignment: RH						
	102	[mdi_infect_dam_vas_length]	Infection Damage: Total measure of line on hard copy (mm) <i>mm</i>	text (number, Min: 0), Required Custom alignment: RH Field Annotation: @DEFAULT = "100"						
	103	[mdi_infect_chronic]	Section Header: <i>INFECTION</i> 45. Chronic infection	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0									
1	1									
-9	NA									
	104	[mdi_infect_chronic_spcfy1] Show the field ONLY if: [mdi_infect_chronic] = '1'	Please Specify (Chronic Infection):	notes, Required						
	105	[mdi_infect_chronic_spcfy2] Show the field ONLY if: [mdi_infect_chronic_spcfy1] < >"	Please Specify (Chronic Infection):	notes						

106	[mdi_infect_multi_inf]	Section Header: <i>INFECTION</i> 46. Multiple infections	radio (Matrix) <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
107	[mdi_infect_multi_spcfy1] Show the field ONLY if: [mdi_infect_multi_inf] = '1'	Please Specify (Multiple Infections):	notes, Required						
108	[mdi_infect_multi_spcfy2] Show the field ONLY if: [mdi_infect_multi_spcfy1] <>"	Please Specify (Multiple Infections):	notes						
109	[mdi_malign_table]	MALIGNANCY {mdi_malign_dam_vas} Line Length: {mdi_malign_dam_vas_length} mm Maximum Value Guidelines (Examples of maximal score) Malignancy resulting in ICU care or life threatening complications	descriptive						
110	[mdi_malign_dam_vas]	Malignancy Damage: Measure of mark, from left on hard copy (mm) <i>mm</i>	slider (Min: 0, Max: 100), Required Slider labels: (Absent), , (Maximum) Custom alignment: RH						
111	[mdi_malign_dam_vas_length]	Malignancy Damage: Total measure of line on hard copy (mm) <i>mm</i>	text (number, Min: 0), Required Custom alignment: RH Field Annotation: @DEFAULT = "100"						
112	[mdi_malign_cancer]	Section Header: <i>MALIGNANCY</i> 47. Any form of cancer	radio (Matrix), Required <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
113	[mdi_malign_cancer_spcfy] Show the field ONLY if: [mdi_malign_cancer] = '1'	Any form of cancer: Specify type, grade and stage	notes, Required						

114	[mdi_other_table]	OTHER DAMAGE, specify {mdi_other_dam_vas} Line Length: {mdi_other_dam_vas_length} mm Maximum Value Guidelines (Examples of maximal score) Extreme disease damage resulting in ICU care or life threatening complications	descriptive						
115	[mdi_other_dam_vas]	Other Damage: Measure of mark, from left on hard copy (mm) <i>mm</i>	slider (Min: 0, Max: 100), Required Slider labels: (Absent), , (Maximum) Custom alignment: RH						
116	[mdi_other_dam_vas_length]	Other Damage: Total measure of line on hard copy (mm) <i>mm</i>	text (number, Min: 0), Required Custom alignment: RH Field Annotation: @DEFAULT = "100"						
117	[mdi_other_death]	Section Header: <i>OTHER DAMAGE</i> 48. Death	radio (Matrix) <table><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>-9</td><td>NA</td></tr></table>	0	0	1	1	-9	NA
0	0								
1	1								
-9	NA								
118	[mdi_other_death_cause] Show the field ONLY if: [mdi_other_death] = '1'	Death: Cause	notes, Required						
119	[mdi_other_death_date] Show the field ONLY if: [mdi_other_death] = '1'	Death: Date	text (date_mdy), Required						
120	[mdi_other_spcfy1] Show the field ONLY if: [mdi_other_death] = '1'	49. Specify:	notes						
121	[mdi_other_spcfy2] Show the field ONLY if: [mdi_other_spcfy1] <>"	50. Specify:	notes						
122	[mdi_global_table]	GLOBAL DAMAGE {mdi_global_dam_vas} Line Length: {mdi_global_dam_vas_length} mm Maximum Value	descriptive						

			Guidelines (Examples of maximal score) None	
	123	[mdi_global_dam_vas]	Global Damage: Measure of mark, from left on hard copy (mm) <i>mm</i>	slider (Min: 0, Max: 100), Required Slider labels: (Absent), , (Maximum) Custom alignment: RH
	124	[mdi_global_dam_vas_length]	Global Damage: Total measure of line on hard copy (mm) <i>mm</i>	text (number, Min: 0), Required Custom alignment: RH Field Annotation: @DEFAULT = "100"
	125	[mdi_musc_dam_adj_vas]	MUSCLE DAMAGE VAS (0-10 cm)	calc Calculation: round(((([mdi_musc_dam_vas]/[mdi_musc_dam_vas_length] * 10),1) Custom alignment: RH
	126	[mdi_musc_extent]	Sum of scores for muscle atrophy, muscle weakness and muscle dysfunction	calc Calculation: sum(if([mdi_musc_atrophy] = -9, "[mdi_musc_atrophy]", if([mdi_musc_weakness] = -9, "[mdi_musc_weakness]", if([mdi_musc_dysfunction] = -9, "[mdi_musc_dysfunction]"))) Custom alignment: RH Field Annotation: @HIDDEN
	127	[mdi_musc_pot]	Count of IDs for muscle atrophy, muscle weakness and muscle dysfunction	calc Calculation: sum(if([mdi_musc_atrophy] = -9 or [mdi_musc_atrophy] = "", 1), if([mdi_musc_weakness] = -9 or [mdi_musc_weakness] = "", 1), if([mdi_musc_dysfunction] = -9 or [mdi_musc_dysfunction] = "", 1)) Custom alignment: RH Field Annotation: @HIDDEN
	128	[mdi_musc_adj_score]	MUSCLE EXTENT of DAMAGE SCORE (0-3, includes missing data)	calc Calculation: round((([mdi_musc_extent]*3)/[mdi_musc_pot],1) Custom alignment: RH
	129	[mdi_skel_dam_adj_vas]	SKELETAL DAMAGE VAS (0-10 cm)	calc Calculation:

				round(((([mdi_skel_dam_vas]/[mdi_skel_dam_vas_length]) * 10),1) Custom alignment: RH
130	[mdi_skel_ext]	Sum of scores for joint contractures, osteoporosis with fracture, avascular necrosis and deforming arthropathy.		calc Calculation: sum(if([mdi_skel_contracture] = -9, "[mdi_skel_contracture]", if([mdi_skel_osteoporosis] = -9, "[mdi_skel_osteoporosis]", if([mdi_skel_avasc_necrosis] = -9, "[mdi_skel_avasc_necrosis]", if([mdi_skel_arthropathy] = -9, "[mdi_skel_arthropathy"]))) Custom alignment: RH Field Annotation: @HIDDEN
131	[mdi_skel_pot]	Count of IDs for joint contractures, osteoporosis with fracture, avascular necrosis and deforming arthropathy.		calc Calculation: sum(if([mdi_skel_contracture] = -9 or [mdi_skel_contracture] = ", ", 1), if([mdi_skel_osteoporosis] = -9 or [mdi_skel_osteoporosis] = ", ", 1), if([mdi_skel_avasc_necrosis] = -9 or [mdi_skel_avasc_necrosis] = ", ", 1), if([mdi_skel_arthropathy] = -9 or [mdi_skel_arthropathy] = ", ", 1)) Custom alignment: RH Field Annotation: @HIDDEN
132	[mdi_skel_adj_score]	SKELETAL EXTENT of DAMAGE SCORE (0-4, includes missing data)		calc Calculation: round((([mdi_skel_ext]*4)/[mdi_skel_pot],1) Custom alignment: RH
133	[mdi_cutan_dam_adj_vas]	CUTANEOUS DAMAGE VAS (0-10 cm)		calc Calculation: round(([mdi_cutan_dam_vas]/[mdi_cutan_dam_vas_length]) * 10),1) Custom alignment: RH
134	[mdi_cutan_ext]	Sum of scores for calcinosis, alopecia, cutaneous atrophy, poikiloderma and lipodystrophy.		calc Calculation: sum(if([mdi_cutan_calcinosis] = -9, "[mdi_cutan_calcinosis]", if([mdi_cutan_alopecia] = -9, "[mdi_cutan_alopecia]", if([mdi_cutan_atrophy] = -9, "[mdi_cutan_atrophy]", if([mdi_cutan_poikiloderma] = -9, "[mdi_cutan_poikiloderma]", if([mdi_cutan_lipodystrophy] = -9, "[mdi_cutan_lipodystrophy"])))

				Custom alignment: RH Field Annotation: @HIDDEN
	135	[mdi_cutan_pot]	Count of IDs for calcinosis, alopecia, cutaneous atrophy, poikiloderma and lipodystrophy.	calc Calculation: sum(if([mdi_cutan_calcinosis] = -9 or [mdi_cutan_calcinosis] = ", ", 1), if([mdi_cutan_alopecia] = -9 or [mdi_cutan_alopecia] = ", ", 1), if([mdi_cutan_atrophy] = -9 or [mdi_cutan_atrophy] = ", ", 1), if([mdi_cutan_poikiloderma] = -9 or [mdi_cutan_poikiloderma] = ", ", 1), if([mdi_cutan_lipodystrophy] = -9 or [mdi_cutan_lipodystrophy] = ", ", 1)) Custom alignment: RH Field Annotation: @HIDDEN
	136	[mdi_cutan_adj_score]	CUTANEOUS EXTENT of DAMAGE SCORE (0-5, includes missing data)	calc Calculation: round((([mdi_cutan_ext]*5)/[mdi_cutan_pot],1) Custom alignment: RH
	137	[mdi_gi_dam_adj_vas]	GASTROINTESTINAL DAMAGE VAS (0-10 cm)	calc Calculation: round(([mdi_gi_dam_vas]/[mdi_gi_dam_vas_length]) * 10),1) Custom alignment: RH
	138	[mdi_gi_ext]	Sum of scores for gastrointestinal dysphagia, dysmotility and infarction.	calc Calculation: sum(if([mdi_gi_dysphagia] = -9, ", [mdi_gi_dysphagia]), if([mdi_gi_dysmotility] = -9, ", [mdi_gi_dysmotility]), if([mdi_gi_infarction] = -9, ", [mdi_gi_infarction])) Custom alignment: RH Field Annotation: @HIDDEN
	139	[mdi_gi_pot]	Count of scores for gastrointestinal dysphagia, dysmotility and infarction.	calc Calculation: sum(if([mdi_gi_dysphagia] = -9 or [mdi_gi_dysphagia] = ", ", 1), if([mdi_gi_dysmotility] = -9 or [mdi_gi_dysmotility] = ", ", 1), if([mdi_gi_infarction] = -9 or [mdi_gi_infarction] = ", ", 1)) Custom alignment: RH Field Annotation: @HIDDEN

140	[mdi_gi_adj_score]	GASTROINTESTINAL EXTENT of DAMAGE SCORE (0-3, includes missing data)	calc Calculation: round(((mdi_gi_ext)*3)/[mdi_gi_pot],1) Custom alignment: RH
141	[mdi_pulm_dam_adj_vas]	PULMONARY DAMAGE VAS (0-10 cm)	calc Calculation: round(((mdi_pulm_dam_vas)/[mdi_pulm_dam_vas_length]) * 10),1) Custom alignment: RH
142	[mdi_pulm_ext]	Sum of scores for pulmonary dysphonia, impaired lung function, fibrosis, hypertension.	calc Calculation: sum(if([mdi_pulm_dysphonia] = -9, "[mdi_pulm_dysphonia]", if([mdi_pulm_impair_lung_fct] = -9, "[mdi_pulm_impair_lung_fct]", if([mdi_pulm_fibrosis] = -9, "[mdi_pulm_fibrosis]", if([mdi_pulm_hypertension] = -9, "[mdi_pulm_hypertension])) Custom alignment: RH Field Annotation: @HIDDEN
143	[mdi_pulm_pot]	Count of IDs for pulmonary dysphonia, impaired lung function, fibrosis, pulmonary hypertension.	calc Calculation: sum(if([mdi_pulm_dysphonia] = -9 or [mdi_pulm_dysphonia] = "", 1), if([mdi_pulm_impair_lung_fct] = -9 or [mdi_pulm_impair_lung_fct] = "", 1), if([mdi_pulm_fibrosis] = -9 or [mdi_pulm_fibrosis] = "", 1), if([mdi_pulm_hypertension] = -9 or [mdi_pulm_hypertension] = "", 1)) Custom alignment: RH Field Annotation: @HIDDEN
144	[mdi_pulm_adj_score]	PULMONARY EXTENT of DAMAGE SCORE (0-4, includes missing data)	calc Calculation: round(((mdi_pulm_ext)*4)/[mdi_pulm_pot],1) Custom alignment: RH
145	[mdi_cv_dam_adj_vas]	CARDIOVASCULAR DAMAGE VAS (0-10 cm)	calc Calculation: round(([mdi_cv_dam_vas] / [mdi_cv_dam_vas_length]) * 10),1)
146	[mdi_cv_ext]	Sum of scores for hypertension, ventricular dysfunction for patients under 18. Sum of scores for hypertension, ventricular dysfunction, angina, myocardial infarction for patients 18 and older.	calc Calculation: if([mdi_patient_age] = 0, sum(if([mdi_cv_hypertension] = -9, "[mdi_cv_hypertension]", if([mdi_cv_vent_dysfct] = -9, "

				[mdi_cv_vent_dysfct])), if([mdi_patient_age] = 1, sum(if([mdi_cv_hypertension] = -9, "[mdi_cv_hypertension]), if([mdi_cv_vent_dysfct] = -9, "[mdi_cv_vent_dysfct]), if([mdi_cv_angina] = -9, "[mdi_cv_angina]), if([mdi_cv_myocardialinfarct] = -9, "[mdi_cv_myocardialinfarct])), "))) Field Annotation: @HIDDEN
147	[mdi_cv_pot]	Count of scores for hypertension, ventricular dysfunction for patients under 18. Count of scores for hypertension, ventricular dysfunction, angina, myocardial infarction for patients 18 and older.		calc Calculation: if([mdi_patient_age] = 0, sum(if([mdi_cv_hypertension] = -9 or [mdi_cv_hypertension] = "", 1), if([mdi_cv_vent_dysfct] = -9 or [mdi_cv_vent_dysfct] = "", 1)), if([mdi_patient_age] = 1, sum(if([mdi_cv_hypertension] = -9 or [mdi_cv_hypertension] = "", 1), if([mdi_cv_vent_dysfct] = -9 or [mdi_cv_vent_dysfct] = "", 1), if([mdi_cv_angina] = -9 or [mdi_cv_angina] = "", 1), if([mdi_cv_myocardialinfarct] = -9 or [mdi_cv_myocardialinfarct] = "", 1))), "))) Field Annotation: @HIDDEN
148	[mdi_cv_adj_score]	CARDIOVASCULAR EXTENT of DAMAGE SCORE (0-2 in children & 0-4 in adults, includes missing data)		calc Calculation: if(([mdi_patient_age] = "") AND ([mdi_cv_hypertension] = "") AND ([mdi_cv_vent_dysfct] = "") AND ([mdi_cv_angina] = "") AND ([mdi_cv_myocardialinfarct] = "") , "", round(if([mdi_patient_age] = 0, ([mdi_cv_ext] * 2) / [mdi_cv_pot], if([mdi_patient_age] = 1, ([mdi_cv_ext] * 4) / [mdi_cv_pot], ")), 1))
149	[mdi_perivasc_dam_adj_vas]	PERIPHERAL VASCULAR DAMAGE VAS (0-10 cm)		calc Calculation: round(([mdi_perivasc_dam_vas] / [mdi_perivasc_dam_vas_lengt]) * 10, 1)
150	[mdi_perivasc_ext]	Sum of scores for peripheral vascular tissue or pulp loss, digit or limb loss, venous or arterial thrombosis in patients under 18. Sum of scores for peripheral vascular tissue or pulp loss, digit or limb loss, venous or arterial thrombosis, claudication in patients 18 or older.		calc Calculation: if([mdi_patient_age] = 0, sum(if([mdi_perivasc_pulploss] = -9, "[mdi_perivasc_pulploss]), if([mdi_perivasc_digitloss] = -9, "[mdi_perivasc_digitloss]), if([mdi_perivasc_thrombosis] = -9, "[mdi_perivasc_thrombosis])), if([mdi_patient_age] = 1, sum(if([mdi_perivasc_pulploss] = -9, "[mdi_perivasc_pulploss]), if([mdi_perivasc_digitloss] = -9, "[mdi_perivasc_digitloss]),

				if([mdi_perivasc_thrombosis] = -9, " [mdi_perivasc_thrombosis]), if([mdi_perivasc_claudication] = -9, " [mdi_perivasc_claudication])), "))) Field Annotation: @HIDDEN
151	[mdi_perivasc_pot]	Count of IDs for peripheral vascular tissue or pulp loss, digit or limb loss, venous or arterial thrombosis in patients under 18. Count of IDs for peripheral vascular tissue or pulp loss, digit or limb loss, venous or arterial thrombosis, claudication in patients 18 or older.		calc Calculation: if([mdi_patient_age] = 0, sum(if([mdi_perivasc_pulploss] = -9 or [mdi_perivasc_pulploss] = ", ", 1), if([mdi_perivasc_digitloss] = -9 or [mdi_perivasc_digitloss] = ", ", 1), if([mdi_perivasc_thrombosis] = -9 or [mdi_perivasc_thrombosis] = ", ", 1)), if([mdi_patient_age] = 1, sum(if([mdi_perivasc_pulploss] = -9 or [mdi_perivasc_pulploss] = ", ", 1), if([mdi_perivasc_digitloss] = -9 or [mdi_perivasc_digitloss] = ", ", 1), if([mdi_perivasc_thrombosis] = -9 or [mdi_perivasc_thrombosis] = ", ", 1), if([mdi_perivasc_claudication] = -9 or [mdi_perivasc_claudication] = ", ", 1))), "))) Field Annotation: @HIDDEN
152	[mdi_perivasc_adj_score]	PERIPHERAL VASCULAR EXTENT of DAMAGE SCORE (0-3 in children & 0-4 in adults, includes missing data)		calc Calculation: if(([mdi_patient_age] = ") AND ([mdi_perivasc_pulploss] = ") AND ([mdi_perivasc_digitloss] = ") AND ([mdi_perivasc_thrombosis] = ") AND ([mdi_perivasc_claudication] = ") , ", round(if([mdi_patient_age] = 0, ([mdi_perivasc_ext] * 3) / [mdi_perivasc_pot], if([mdi_patient_age] = 1, ([mdi_perivasc_ext] * 4) / [mdi_perivasc_pot], ")), 1))
153	[mdi_endocr_dam_adj_vas]	ENDOCRINE DAMAGE VAS (0-10 cm)		calc Calculation: round(([mdi_endocr_dam_vas] / [mdi_endocr_dam_vas_length]) * 10), 1)

154	[mdi_endocr_ext]	Sum of scores for growth failure, secondary sex delay, hirsutism, diabetes, irregular menses, amenorrhea in patients under 18. Sum of scores for hirsutism, diabetes, irregular menses, amenorrhea, infertility, sexual dysfunction in patients 18 or older.	calc Calculation: if([mdi_patient_age] = 0, sum(if([mdi_endocr_growth_fail] = -9, "[mdi_endocr_growth_fail]", if([mdi_endocr_sex_delay] = -9, "[mdi_endocr_sex_delay]", if([mdi_endocr_hirsutism] = -9, "[mdi_endocr_hirsutism]", if([mdi_endocr_diabetes] = -9, "[mdi_endocr_diabetes]", if([mdi_endocr_irreg_menses] = -9, "[mdi_endocr_irreg_menses]", if([mdi_endocr_amenorrhea] = -9, "[mdi_endocr_amenorrhea]")), if([mdi_patient_age] = 1, sum(if([mdi_endocr_hirsutism] = -9, "[mdi_endocr_hirsutism]", if([mdi_endocr_diabetes] = -9, "[mdi_endocr_diabetes]", if([mdi_endocr_irreg_menses] = -9, "[mdi_endocr_irreg_menses]", if([mdi_endocr_amenorrhea] = -9, "[mdi_endocr_amenorrhea]", if([mdi_endocr_infertility] = -9, "[mdi_endocr_infertility]", if([mdi_endocr_sex_dysfct] = -9, "[mdi_endocr_sex_dysfct]")), "))) Field Annotation: @HIDDEN
155	[mdi_endocr_pot]	Count of IDs for growth failure, secondary sex delay, hirsutism, diabetes, irregular menses, amenorrhea in patients under 18. Count of IDs for hirsutism, diabetes, irregular menses, amenorrhea, infertility, sexual dysfunction in patients 18 or older.	calc Calculation: if([mdi_patient_age] = 0, sum(if([mdi_endocr_growth_fail] = -9 or [mdi_endocr_growth_fail] = "", 1), if([mdi_endocr_sex_delay] = -9 or [mdi_endocr_sex_delay] = "", 1), if([mdi_endocr_hirsutism] = -9 or [mdi_endocr_hirsutism] = "", 1), if([mdi_endocr_diabetes] = -9 or [mdi_endocr_diabetes] = "", 1), if([mdi_endocr_irreg_menses] = -9 or [mdi_endocr_irreg_menses] = "", 1), if([mdi_endocr_amenorrhea] = -9 or [mdi_endocr_amenorrhea] = "", 1)), if([mdi_patient_age] = 1, sum(if([mdi_endocr_hirsutism] = -9 or [mdi_endocr_hirsutism] = "", 1), if([mdi_endocr_diabetes] = -9 or

				<pre>[mdi_endocr_diabetes] = ", ", 1), if([mdi_endocr_irreg_menses] = -9 or [mdi_endocr_irreg_menses] = ", ", 1), if([mdi_endocr_amenorrhea] = -9 or [mdi_endocr_amenorrhea] = ", ", 1), if([mdi_endocr_infertility] = -9 or [mdi_endocr_infertility] = ", ", 1), if([mdi_endocr_sex_dysfct] = -9 or [mdi_endocr_sex_dysfct] = ", ", 1)), "") Field Annotation: @HIDDEN</pre>
	156	[mdi_endocr_adj_score]	ENDOCRINE EXTENT of DAMAGE SCORE (0-6, includes missing data)	<pre>calc Calculation: round((([mdi_endocr_ext] * 6) / [mdi_endocr_pot], 1)</pre>
	157	[mdi_ocul_dam_adj_vas]	OCULAR DAMAGE VAS (0-10 cm)	<pre>calc Calculation: round(([mdi_ocul_dam_vas] / [mdi_ocul_dam_vas_length]) * 10), 1)</pre>
	158	[mdi_ocul_ext]	Sum of scores for cataracts and visual loss.	<pre>calc Calculation: sum(if([mdi_ocul_cataract] = -9, ", [mdi_ocul_cataract]), if([mdi_ocul_visual_loss] = -9, ", [mdi_ocul_visual_loss])) Field Annotation: @HIDDEN</pre>
	159	[mdi_ocul_pot]	Count of IDs for cataracts and visual loss.	<pre>calc Calculation: sum(if([mdi_ocul_cataract] = -9 or [mdi_ocul_cataract] = ", ", 1), if([mdi_ocul_visual_loss] = -9 or [mdi_ocul_visual_loss] = ", ", 1)) Field Annotation: @HIDDEN</pre>
	160	[mdi_ocul_adj_score]	OCULAR EXTENT of DAMAGE SCORE (0-2, includes missing data)	<pre>calc Calculation: round((([mdi_ocul_ext] * 2) / [mdi_ocul_pot], 1)</pre>
	161	[mdi_infect_dam_adj_vas]	INFECTION DAMAGE VAS (0-10 cm)	<pre>calc Calculation: round(([mdi_infect_dam_vas] / [mdi_infect_dam_vas_length]) * 10), 1)</pre>
	162	[mdi_infect_ext]	Sum of scores for chronic infection, multiple infections.	<pre>calc Calculation: sum(if([mdi_infect_chronic] = -9, ", [mdi_infect_chronic]), if([mdi_infect_multi_inf] = -9, ", [mdi_infect_multi_inf])) Field Annotation: @HIDDEN</pre>

163	[mdi_infect_pot]	Count of IDs for chronic infection, multiple infections.	calc Calculation: sum(if([mdi_infect_chronic] = -9 or [mdi_infect_chronic] = ", ", 1), if([mdi_infect_multi_inf] = -9 or [mdi_infect_multi_inf] = ", ", 1)) Field Annotation: @HIDDEN
164	[mdi_infect_adj_score]	INFECTION EXTENT of DAMAGE SCORE (0-2, includes missing data)	calc Calculation: round(((mdi_infect_ext] * 2) / [mdi_infect_pot], 1)
165	[mdi_malign_dam_adj_vas]	CANCER DAMAGE VAS (0-10 cm)	calc Calculation: round(([mdi_malign_dam_vas] / [mdi_malign_dam_vas_length]) * 10) ,1)
166	[mdi_malign_ext]	Sum of scores for any type of cancer.	calc Calculation: sum(if([mdi_malign_cancer] = -9, ", [mdi_malign_cancer])) Field Annotation: @HIDDEN
167	[mdi_malign_pot]	Count of ID for any type of cancer.	calc Calculation: sum(if([mdi_malign_cancer] = -9 or [mdi_malign_cancer] = ", ", 1)) Field Annotation: @HIDDEN
168	[mdi_malign_adj_score]	CANCER EXTENT of DAMAGE SCORE (0-1, includes missing data)	calc Calculation: round(if([mdi_malign_pot] = 0, ", ([mdi_malign_ext] * 1) / [mdi_malign_pot]), 1)
169	[mdi_other_dam_adj_vas]	OTHER DAMAGE VAS (0-10 cm)	calc Calculation: round(([mdi_other_dam_vas] / [mdi_other_dam_vas_length]) * 10) ,1)
170	[mdi_global_dam_adj_vas]	GLOBAL DAMAGE VAS (0-10 cm)	calc Calculation: round(([mdi_global_dam_vas] / [mdi_global_dam_vas_length]) * 10) ,1)
171	[mdi_total_ext_score]	MDI Total Extent Raw Score: Sum of extent scores for muscle, skeletal, cutaneous, gastrointestinal, pulmonary, cardiovascular, peripheral vascular, endocrine, ocular, infection and malignancy.	calc Calculation: sum([mdi_musc_extent], [mdi_skel_ext], [mdi_cutan_ext], [mdi_gi_ext], [mdi_pulm_ext], [mdi_cv_ext], [mdi_perivasc_ext], [mdi_endocr_ext], [mdi_ocul_ext], [mdi_infect_ext], [mdi_malign_ext]) Field Annotation: @HIDDEN
172	[mdi_total_ext_pot]	MDI Total Extent Potential Score: Sum of potential scores for muscle, skeletal, cutaneous, gastrointestinal,	calc Calculation: sum([mdi_musc_pot], [mdi_skel_pot], [mdi_cutan_pot], [mdi_gi_pot], [mdi_pulm_pot],

			pulmonary, cardiovascular, peripheral vascular, endocrine, ocular, infection and malignancy.	[mdi_cv_pot], [mdi_perivasc_pot], [mdi_endocr_pot], [mdi_ocul_pot], [mdi_infect_pot], [mdi_malign_pot]) Field Annotation: @HIDDEN
	173	[mdi_total_ext_perc]	MDI Total Extent Percentage: Total extent score divided by total potential score.	calc Calculation: round([mdi_total_ext_score] / [mdi_total_ext_pot],2) Field Annotation: @HIDDEN
	174	[mdi_total_ext_adj]	TOTAL EXTENT DAMAGE SCORE (0-38):	calc Calculation: round([mdi_total_ext_perc] * 38)
	175	[mdi_total_sev_score]	MDI Total Severity Raw Score: Sum of muscle damage vas length, skeletal damage vas length, cutaneous damage vas length, gastrointestinal damage vas length, pulmonary damage vas length, cardiovascular damage vas length, peripheral vascular damage vas length, endocrine damage vas length, ocular damage vas length, infection damage vas length, cancer damage vas length.	calc Calculation: sum([mdi_musc_dam_vas], [mdi_skel_dam_vas], [mdi_cutan_dam_vas], [mdi_gi_dam_vas], [mdi_pulm_dam_vas], [mdi_cv_dam_vas], [mdi_perivasc_dam_vas], [mdi_endocr_dam_vas], [mdi_ocul_dam_vas], [mdi_infect_dam_vas], [mdi_malign_dam_vas]) Field Annotation: @HIDDEN
	176	[mdi_total_sev_pot]	MDI Total Severity Potential Score: The sum of the total line lengths for muscle damage, skeletal damage, cutaneous damage, gastrointestinal damage, pulmonary damage, cardiovascular damage, peripheral vascular damage, endocrine damage, ocular damage, infection damage, and cancer damage is calculated whenever a VAS score is present for each respective category.	calc Calculation: if([mdi_musc_dam_vas_length] = "" and [mdi_skel_dam_vas_length] = "" and [mdi_cutan_dam_vas_length] = "" and [mdi_gi_dam_vas_length] = "" and [mdi_pulm_dam_vas_length] = "" and [mdi_cv_dam_vas_length] = "" and [mdi_perivasc_dam_vas_length] = "" and [mdi_endocr_dam_vas_length] = "" and [mdi_ocul_dam_vas_length] = "" and [mdi_infect_dam_vas_length] = "" and [mdi_malign_dam_vas_length] = "", "", sum([mdi_musc_dam_vas_length], [mdi_skel_dam_vas_length], [mdi_cutan_dam_vas_length], [mdi_gi_dam_vas_length], [mdi_pulm_dam_vas_length], [mdi_cv_dam_vas_length], [mdi_perivasc_dam_vas_length], [mdi_endocr_dam_vas_length], [mdi_ocul_dam_vas_length], [mdi_infect_dam_vas_length],

				[mdi_malign_dam_vas_length])) Field Annotation: @HIDDEN
	177	[mdi_total_sev_perc]	MDI Total Severity Percent Score: Total severity score divided by total severity potential score.	calc Calculation: round([mdi_total_sev_score] / [mdi_total_sev_pot],2) Field Annotation: @HIDDEN
	178	[mdi_total_sev_adj]	TOTAL SEVERITY DAMAGE VAS (0-110 cm):	calc Calculation: round([mdi_total_sev_perc] * 110)
	179	[mdi_extended_score]	MDI Extended Raw Score: Sum of radiographic atrophy, low creatinine, osteoporosis treatment, elbow range of motion, hip range of motion, knee range of motion, ankle range of motion, plaque calcinosis, tumoral calcinosis, planar calcinosis, exoskeleton calcinosis, steatosis, diminished lung function DLCO/VA, diminished lung function FEV1, hyperlipidemia, and death (optional items).	calc Calculation: sum(if([mdi_musc_atrophy_radiogr] = -9, " ", [mdi_musc_atrophy_radiogr]), if([mdi_musc_lowcreatinine] = -9, " ", [mdi_musc_lowcreatinine]), if([mdi_skel_osteoporosis_tx] = -9, " ", [mdi_skel_osteoporosis_tx]), if([mdi_skel_lom_elbow_ext] = -9, " ", [mdi_skel_lom_elbow_ext]), if([mdi_skel_lom_hip_flex] = -9, " ", [mdi_skel_lom_hip_flex]), if([mdi_skel_lom_knee_ext] = -9, " ", [mdi_skel_lom_knee_ext]), if([mdi_skel_lom_ankle_df] = -9, " ", [mdi_skel_lom_ankle_df]), if([mdi_cutan_calc_plaque] = -9, " ", [mdi_cutan_calc_plaque]), if([mdi_cutan_calc_tumoral] = -9, " ", [mdi_cutan_calc_tumoral]), if([mdi_cutan_calc_planar] = -9, " ", [mdi_cutan_calc_planar]), if([mdi_cutan_calc_exoskel] = -9, " ", [mdi_cutan_calc_exoskel]), if([mdi_gi_steatosis] = -9, " ", [mdi_gi_steatosis]), if([mdi_pulm_dlco] = -9, " ", [mdi_pulm_dlco]), if([mdi_pulm_fev1] = -9, " ", [mdi_pulm_fev1]), if([mdi_endocr_hyperlipid] = -9, " ", [mdi_endocr_hyperlipid]), if([mdi_other_death] = -9, " ", [mdi_other_death])) Field Annotation: @HIDDEN
	180	[mdi_extended_pot]	MDI Extended Potential Score: Count of IDs for radiographic atrophy, low creatinine, osteoporosis treatment, elbow range of motion, hip range of motion, knee range of motion, ankle range of motion, plaque calcinosis, tumoral calcinosis, planar calcinosis, exoskeleton calcinosis, steatosis, diminished lung function DLCO/VA,	calc Calculation: if(([mdi_musc_atrophy_radiogr] = " or [mdi_musc_atrophy_radiogr] = -9) AND ([mdi_musc_lowcreatinine] = " or [mdi_musc_lowcreatinine] = -9) AND ([mdi_skel_osteoporosis_tx] = " or [mdi_skel_osteoporosis_tx] = -9) AND

diminished lung function FEV1, hyperlipidemia and death (optional items).

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([mdi_skel_lom_elbow_ext] = " or
[mdi_skel_lom_elbow_ext] = -9) AND
([mdi_skel_lom_hip_flex] = " or [mdi_skel_lom_hip_flex]
= -9) AND ([mdi_skel_lom_knee_ext] = " or
[mdi_skel_lom_knee_ext] = -9) AND
([mdi_skel_lom_ankle_df] = " or
[mdi_skel_lom_ankle_df] = -9) AND
([mdi_cutan_calc_plaque] = " or
[mdi_cutan_calc_plaque] = -9) AND
([mdi_cutan_calc_tumoral] = " or
[mdi_cutan_calc_tumoral] = -9) AND
([mdi_cutan_calc_planar] = " or
[mdi_cutan_calc_planar] = -9) AND
([mdi_cutan_calc_exoskel] = " or
[mdi_cutan_calc_exoskel] = -9) AND ([mdi_gi_steatosis]
= " or [mdi_gi_steatosis] = -9) AND ([mdi_pulm_dlco] =
" or [mdi_pulm_dlco] = -9) AND ([mdi_pulm_fev1] = "
or [mdi_pulm_fev1] = -9) AND
([mdi_endocr_hyperlipid] = " or
[mdi_endocr_hyperlipid] = -9) AND ([mdi_other_death]
= " or [mdi_other_death] = -9) , ", sum(
if([mdi_musc_atrophy_radiogr] = " or
[mdi_musc_atrophy_radiogr] = -9, 0, 1),
if([mdi_musc_lowcreatinine] = " or
[mdi_musc_lowcreatinine] = -9, 0, 1),
if([mdi_skel_osteoporosis_tx] = " or
[mdi_skel_osteoporosis_tx] = -9, 0, 1),
if([mdi_skel_lom_elbow_ext] = " or
[mdi_skel_lom_elbow_ext] = -9, 0, 1),
if([mdi_skel_lom_hip_flex] = " or
[mdi_skel_lom_hip_flex] = -9, 0, 1),
if([mdi_skel_lom_knee_ext] = " or
[mdi_skel_lom_knee_ext] = -9, 0, 1),
if([mdi_skel_lom_ankle_df] = " or
[mdi_skel_lom_ankle_df] = -9, 0, 1),
if([mdi_cutan_calc_plaque] = " or
[mdi_cutan_calc_plaque] = -9, 0, 1),
if([mdi_cutan_calc_tumoral] = " or
[mdi_cutan_calc_tumoral] = -9, 0, 1),
if([mdi_cutan_calc_planar] = " or
[mdi_cutan_calc_planar] = -9, 0, 1),
if([mdi_cutan_calc_exoskel] = " or
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				[mdi_cutan_calc_exoskel] = -9, 0, 1), if([mdi_gi_steatosis] = " or [mdi_gi_steatosis] = -9, 0, 1), if([mdi_pulm_dlco] = " or [mdi_pulm_dlco] = -9, 0, 1), if([mdi_pulm_fev1] = " or [mdi_pulm_fev1] = -9, 0, 1), if([mdi_endocr_hyperlipid] = " or [mdi_endocr_hyperlipid] = -9, 0, 1), if([mdi_other_death] = " or [mdi_other_death] = -9, 0, 1))) Field Annotation: @HIDDEN
	181	[mdi_extended_perc]	MDI Extended Percent Score: The Extended Score divided by the Extended Potential Score (optional).	calc Calculation: [mdi_extended_score] / [mdi_extended_pot] Field Annotation: @HIDDEN
	182	[mdi_extended_adj]	TOTAL EXTENDED DAMAGE SCORE (0-16, optional):	calc Calculation: round([mdi_extended_perc] * 16)
	183	[mdi_notes]	MYOSITIS DAMAGE INDEX (MDI) - 2001 (Modification of the SLICC/ACR Damage Index, Brit J Rheum 1996; 35: 248-54) Damage is defined as persistent changes in anatomy, physiology, pathology or function, which are present for at least 6 months. Damage may be the result of prior active disease (causing scarring, fibrosis and atrophy), complications of therapy, co-morbid conditions, or other events. A portion of disease damage is disease chronicity. Features of damage are ascertained by clinical assessment and must be present for at least 6 months (or the pathology that led to the feature must have been present for at least 6 months) despite prior immunosuppressive or other therapy, including exercise and rehabilitation. Only items present since date of diagnosis should be included. Damage is often permanent and cumulative. Damage scores most often increase over time, but in some cases may decline (i.e., a manifestation which was previously present which has currently resolved would receive a score of 0 in the present assessment). For each organ system, please assess the severity and extent of damage exhibited by the patient at this time. To assess the severity, please rate your overall assessment of the current disease damage for each of the systems below by drawing a vertical mark on the 10cm. line according to the following	descriptive

scale: Left end of line = no evidence of disease damage, Midpoint of line = moderate disease damage, and Right end of line = extreme or maximum disease damage. Please write in NA if the system cannot be assessed. To assess the extent of damage in that organ system, please indicate the following for the specific items that are assessed: A score of 0 indicates the item has never been present. A score of 1 indicates the damage manifestation at a single point in time that has been present for at least six months. NA = cannot be assessed. At the end of each organ system section, items in italics represent specialised objective testing items that are optional for the assessment and will be scored separately in an extended score. When absolute values are requested, please provide these even if they are within normal limits.

IMACS MYOSITIS DAMAGE INDEX Scoring System The MDI has three proposed scores: an extent of damage score, a severity of damage score and an extended damage score. The proposed scoring system for the MDI extent of damage score is the sum of all 0 or 1 scores for the eleven individual organ systems (MUSCLE, SKELETAL, CUTANEOUS, GASTROINTESTINAL, PULMONARY, CARDIOVASCULAR, PERIPHERAL VASCULAR, ENDOCRINE, OCULAR, INFECTION, MALIGNANCY) divided by the total possible score (range = 0 - 35 in children and 0-38 in adults). If one or more items were not assessed, the resulting score would be divided by the maximum possible score of the assessed items. The categories of OTHER DAMAGE and GLOBAL DAMAGE are not included in the MDI extent of damage score but are scored separately. The proposed MDI severity of damage score is the sum of the 100 Mm visual analogue scale scores for each of the eleven individual organ systems (MUSCLE, SKELETAL, CUTANEOUS, GASTROINTESTINAL, PULMONARY, CARDIOVASCULAR, PERIPHERAL VASCULAR, ENDOCRINE, OCULAR, INFECTION, MALIGNANCY) divided by the total possible score (range = 0 - 110). If one or more organ systems were not assessed, the resulting score would be divided by the maximum possible score of the assessed items. The categories of OTHER DAMAGE and GLOBAL DAMAGE are not included in the MDI severity score but are scored separately. The proposed MDI extended damage score is the sum of the

optional items listed in italics under the systems MUSCLE, SKELETAL, GASTROINTESTINAL, PULMONARY, ENDOCRINE divided by the total possible score. Each optional item is scored 0 or 1, providing a range of 0 - 16 for the extended damage score. If one or more items were not assessed, the resulting score would be divided by the maximum possible score assessed.

IMACS

MYOSITIS DAMAGE INDEX Glossary of Terms

MUSCLE DAMAGE 1.

Muscle atrophy: decreased muscle mass assessed by clinical exam 2. Muscle weakness not attributable to active muscle disease: weakness present for at least 6 months, demonstrated on clinical examination, not thought to be due to active muscle inflammation based on assessments of clinical and laboratory measures, such as serum muscle enzymes, magnetic resonance imaging, or repeat muscle biopsies. 3. Muscle dysfunction, decrease in aerobic exercise tolerance by clinical history or assessed by aerobic exercise testing, due to muscle damage and not attributable to cardiac, pulmonary, psychologic or other factors. 4. Muscle atrophy: assessed by radiographic methods, including T1 MRI, CT scan, DEXA scan (body composition) (OPTIONAL ASSESSMENT)

SKELETAL DAMAGE 5. Joint

contractures: fixed limitation in the normal range of motion of joints, in the absence of synovitis, excluding reducible deformities, avascular necrosis and deforming arthropathy. 6. Osteoporosis with fracture or vertebral collapse (excluding avascular necrosis): demonstrated by any imaging technique. 7. Avascular necrosis: demonstrated by any imaging technique. 8. Osteoporosis without clinical fracture: requiring treatment of osteoporosis beyond calcium and vitamin D (prophylactic) therapy, demonstrated by any imaging technique (OPTIONAL ASSESSMENT)

CUTANEOUS DAMAGE 9. Calcinosis:

dystrophic calcification, observed clinically or radiologically in the skin, subcutaneous tissue, fascia, or muscle. Calcinosis can be clinically or radiographically distinguished into 4 subtypes (Blane CE et al, 1984, AJR, 142: 397-400): (the 4 subtypes are part of the OPTIONAL ASSESSMENT)
a. Superficial plaques or nodules: circumscribed lesions

confined to the cutaneous or subcutaneous tissue b. Tumoral: large circumscribed nodules, which are intramuscular. Can ulcerate if subcutaneous. c. Planar or fascial: linear accumulations of calcinosis that are along the fascial plane of subcutaneous tissue or muscles. d. Exoskeleton/calcinosis universalis: widespread sheets of calcium in the muscle, fascia and subcutaneous tissue, often encasing the patient. Can ulcerate when subcutaneous. 10. Alopecia: hair loss with scarring present 11. Cutaneous scarring or atrophy: dermal or epidermal, with or without telangiectasia 12. Poikiloderma: fine speckled pattern of hyper- and hypopigmented macules interspersed with telangiectasias and cutaneous atrophy (requires all 3 features) usually in areas of photosensitivity 13. Lipodystrophy: loss of subcutaneous fat (localised or widely distributed) observed clinically or radiologically.

GASTROINTESTINAL DAMAGE 14. Dysphagia: persistent difficulty swallowing by history or persistent changes documented by radiography or other objective measures. 15. Infarction or resection of bowel or other GI organs, by history. 16. Steatosis (OPTIONAL ASSESSMENT): persistent fatty changes of liver, documented by ultrasound, CT scan or biopsy on at least 1 occasion, with persistent changes on reexamination

PULMONARY DAMAGE 17. Dysphonia: persistent alteration in voice quality, resonance, articulation or speech rate from normal. 18. Impaired lung function due to respiratory muscle damage: shortness of breath not thought to be due to active muscle inflammation or intrinsic pulmonary disease 19. Pulmonary fibrosis: shortness of breath or rales on physical exam for at least 6 months, with previously documented abnormal chest radiograph, computed tomography scan, or biopsy evidence of interstitial lung disease (ILD)/pulmonary fibrosis. 20. Pulmonary hypertension: Right ventricular prominence, or loud P2, or by direct measurement of pulmonary pressures (greater than 10% above upper limit of normal).

CARDIOVASCULAR DAMAGE 21. Hypertension: Diagnosed by blood pressure > 95% of upper limits of normal for age and sex, requiring treatment

> 6 months 22. Ventricular dysfunction/Cardiomyopathy: ventricular dysfunction documented clinically or by echocardiography. Assessed only in adult patients: 23. Angina: episodes of angina present for a period of at least 6 months. 24. Myocardial infarction: documented by electrocardiogram and enzymes.

PERIPHERAL VASCULAR DAMAGE 25.

Tissue or pulp loss: tissue loss such as pulp space loss or loss less than entire digit. Assessed only in adult patients: 26. Claudication: by history.

ENDOCRINE DAMAGE Assessed only in Patients < 18 years of age: 27. Growth failure: Two of the following three features: a. Less than 3rd percentile height for age b. Growth velocity over 6 months less than 3rd percentile for age c. Crossing at least 2 centiles (5%, 10%, 25%, 50%, 75%, 95%) on growth chart (See http://www.cdc.gov/nchs/about/major/nhanes/growthcharts/clinical_charts.htm to obtain growth charts for U.S. patients) 28. Delay in development of secondary sexual characteristics: greater than 2 standard deviations beyond mean for age in Tanner staging (see Harriet Lane Handbook: A Manual for Pediatric House Officers, Ed. G.K. Sidberry, or Tanner, JM and Davies, PS, J Pediatr 1985; 107:317-29 for age-defined mean values for North American children). Assessed in both pediatric and adult patients: 29. Hirsutism: excessive terminal hair growth in an adult male distribution, i.e., lip, chin, chest, back. This is to be assessed only in girls, women and pre-pubertal boys. Hypertrichosis: Generalised increase in body hair. 30. Irregular menses: Missing more than one ovulatory menstrual cycle (i.e., 24 - 37 days in duration) in one year, assessed at least 3 years after menarche or before menopause. 31. Primary amenorrhea: the absence of any menstruation within 4.5 years of reaching puberty (i.e., in a girl without genital malformations who has reached her complete morphological development, including a bone age of at least 15 years, breasts for at least 2 years, and adult type pubic hair) 32. Secondary amenorrhea: cessation of menstrual periods before menopause, after initially menstruating 33. Diabetes mellitus: fasting glucose > 140 mg/dl or 2 hour glucose in Oral Glucose Tolerance Test > 200 mg/dl 34. Hyperlipidemia (OPTIONAL ASSESSMENT): Cholesterol or

lipoprotein levels >95% of age appropriate reference ranges 35. References: Summary of the Second Report of the National Cholesterol Education Program (NCEP) Expert Panel on Detection, Evaluation, and Treatment of High Blood Cholesterol in Adults (Adult Treatment Panel II). JAMA. 1993; 269:3015-3023; "Report of the expert panel on blood cholesterol levels in children and adolescents" by the National Cholesterol Education program (NCEP), NIH Publication No 91-2732, September 1991. Assessed in adult patients and adolescents when applicable: 36. Infertility (female or male): no pregnancy after one year attempting to conceive via regular sexual intercourse 37. Sexual dysfunction: patient dissatisfaction with sexual function (female or male)

OCULAR DAMAGE 38. Cataract: lens opacity in either eye, ever, whether primary or secondary to steroid therapy, documented by ophthalmoscopy, and resulting in visual loss. 39. Visual loss, other: legal blindness, with vision less than or equal to 20/200.

INFECTION 40. Chronic infection: Infection (presumptive diagnosis with or without positive culture) requiring > 6 months of antimicrobial treatment, OR persisting with or without clinical symptoms > 6 months and associated with disability (absence from school, work, day-care) 41. Multiple infections: > 3 infections (at same or different sites, with same or different organisms) requiring antimicrobial treatment or disability (absence from school, work, day-care) over a 6 month period

MALIGNANCY 42. Documented by pathology, excluding dysplasias, including myositis associated malignancies.

OTHER 43. Death should be recorded under OTHER, and the date and cause of death noted (OPTIONAL ASSESSMENT) 44. Any other features of myositis damage not listed but felt to be of importance to the patient or physician. Please specify the feature in as much detail as possible. (These are not scored)

GLOBAL DAMAGE ASSESSMENT 45. Your expert clinical judgement of the totality of disease damage in all systems

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