Myositis: Getting in Sync with your Healthcare team

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Overview of Care Team: Checklist

- Rheumatologist/Neurologist
- Primary Care Physician (PCP)
- Pulmonologist/Respiratory therapist
- Cardiologist
- Speech/Swallow therapist
- Physical therapist/Occupational therapist
- Dietician/Nutritionist
- Social Worker

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Neurologist/Rheumatologist:

Initial Evaluation:

- History/exam
- Diagnostic evaluation
 - Blood tests: CK levels
 - Antibodies
 - EMG
 - Muscle biopsy
 - Muscle MRI
- Cancer Screening in Dermatomyositis
 - Esp if >40 yrs old
 - up to 3-5 years from symptom onset



Myositis Antibodies

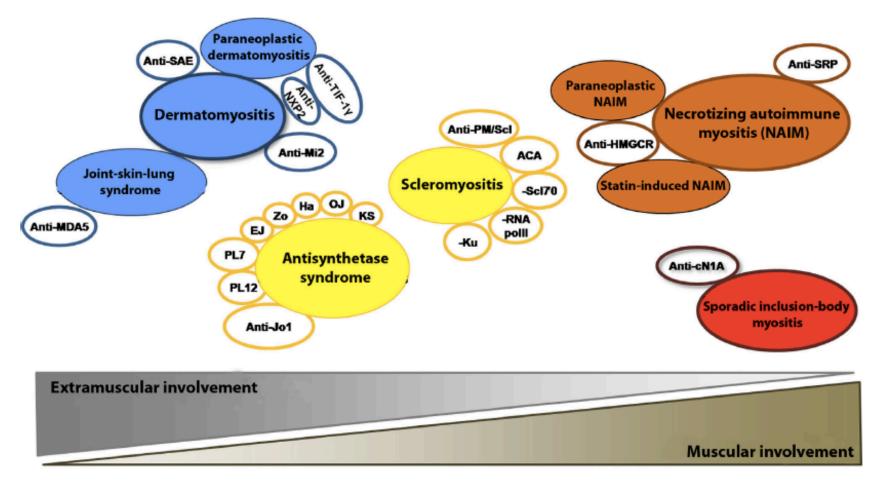
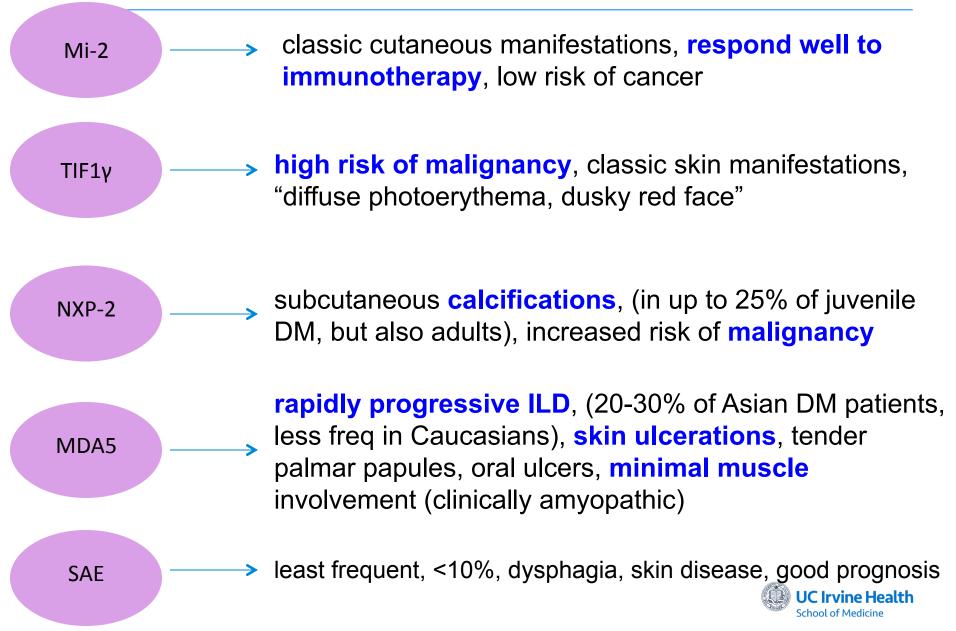


Fig. 2. Clinical and serological diversity of inflammatory myopathies (IM). The prominence of the extramuscular manifestations is usually in inverse proportion to the severity of the muscle involvement. The autoantibody profile can be used to identify patient subgroups with globally homogeneous clinical features and outcomes.



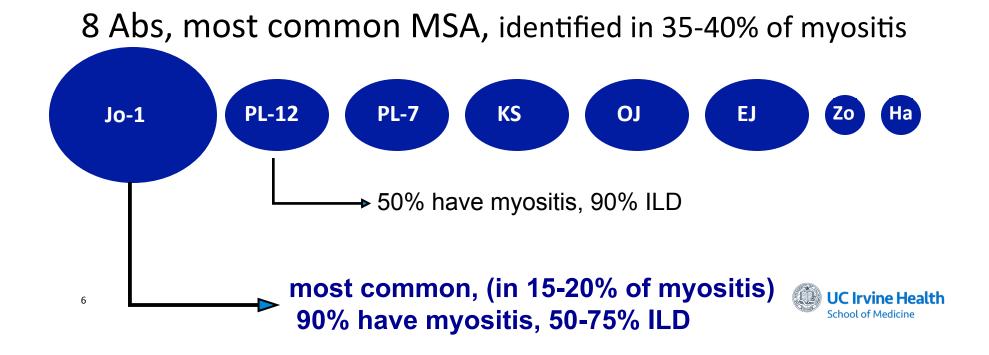
Myositis Specific Antibodies: Dermatomyositis Autoantibodies



Myositis Specific Antibodies (MSA): Antisynthetase Autoantibodies

Antisynthetase syndrome:

- Myositis, Interstitial lung disease (ILD), inflammatory arthritis, fever, Raynaud's phenomenon, mechanic's hands
- Some have prominent skin rash



Myositis Associated Antibodies (MAA):

Nonspecific, in myositis & connective tissue diseases

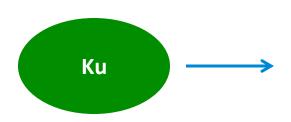
 Ro52/TRIM21, PMScl, ribonucleoprotein complex (RNP; U1 RNP, U2 RNP, U4/U6, RNP, U5 RNP), Ku

most common, associated with ILD



Ro52

seen in PM, systemic sclerosis (SSc), & PM/SSc overlap syndrome, associated with lung and esophageal involvement

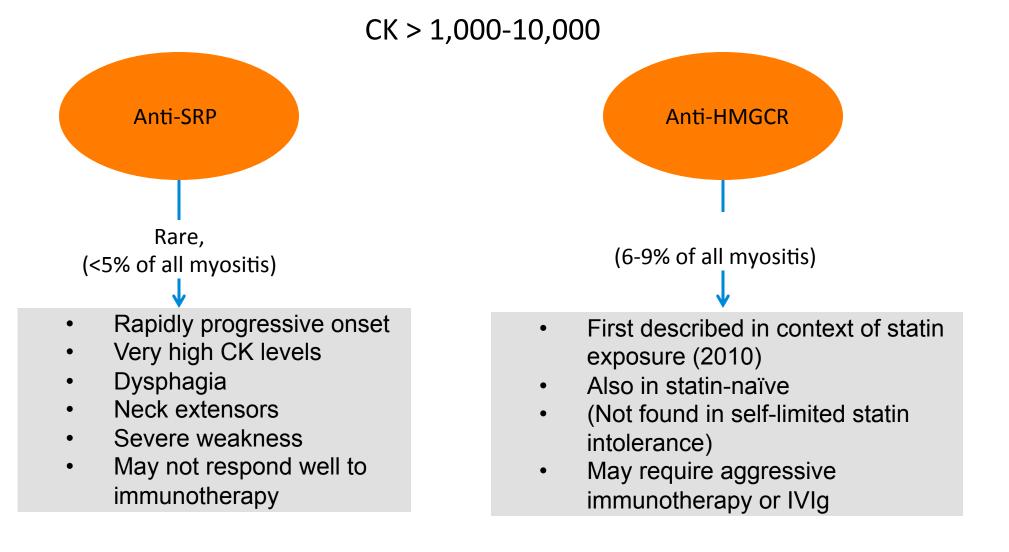


in Overlap syndrome, frequent joint involvement, Raynaud's and ILD



MSA: Immune-Mediated Necrotizing Abs

Prominent myofiber necrosis with minimal inflammation



Neurologist/Rheumatologist: (follow-up)

Subsequent visits:

- History/exam
- Medication management
- Response to immunotherapy?
 - Adjust medications
 - Lack of response
 - Alternative therapies/clinical trials?
 - Wrong diagnosis?
- Adverse effects of medications
 - Check blood counts, liver, kidney



Primary Care Physician:

- Age appropriate health screening
- Monitor Blood sugars, Blood pressure if on steroids
- Bone density test (Vitamin D with Calcium)
- Check in with PCP if not feeling well, may not mount fever if immunosuppressed
- Vaccinations
- Help with Mood/Antidepressant?



Pulmonologist/Respiratory therapist:

- If Interstitial lung disease (ILD)
 - CT Chest (to screen and monitor progression)
 - Pulmonary function tests
- Noninvasive Ventilation (BiPAP)
 - Quite beneficial in respiratory insufficiency
 - Difficulty tolerating?
 - Work with respiratory therapist to adjust mask/settings





Cardiologist:

- Cardiomyopathy/cardiac arrhythmias
- Rare, but potential complication of DM, Antisynthetase syndromes
- Close monitoring
- Medical management
- Echo/EKG



Speech/Swallow Therapist:

- Difficulty swallowing/dysphagia
 - Can be leading cause of morbidity/ mortality
 - Up to 1/3 of myositis patients (esp IBM)
- Barium Swallowing evaluation
 - Can detect subclinical involvement
 - Evaluates severity
- Modified diet
- If severe, G-tube
 - Reduces risk of aspiration pneumonia
- Communication devices





Physical/Occupational therapists:

- Risk of falls
- Adaptive equipment needs
 - Foot brace (AFO), Cane, Walker, Scooter, Wheelchair
 - Shower chair
 - Hospital bed
- Home safety evaluation railings, grab bars
- Role of exercise
 - No pain, no gain- NOT the motto!
 - Stationary cycling, pool therapy (if safe to get in)
 - Don't exercise to the point of pain or significant fatigue







Dietician/Nutritionist:

- Well-balanced diet
- Maintaining weight
- If on steroids, weight gain is a recognized concern
 - Ask for a consult with nutritionist
- If difficulty swallowing, weight loss is a concern
- With muscle atrophy, weight loss may occur
- G-tube (when severe dysphagia) reduces risk of aspiration
 - Maintain calories and weight
 - Helpful for pills
 - Hydration
- Constipation (common), esp in impaired mobility



Social Worker:

- Care giving resources
- Home health services
- Support groups
- Psychologists/psychotherapists



Other Specialists:

- Dermatologist dermatomyositis patients with severe skin involvement
- Gastroenterologist (GI) if PCP has difficulty managing and more severe GI issues
- Psychiatrist



Goal: Multidisciplinary Team Approach

