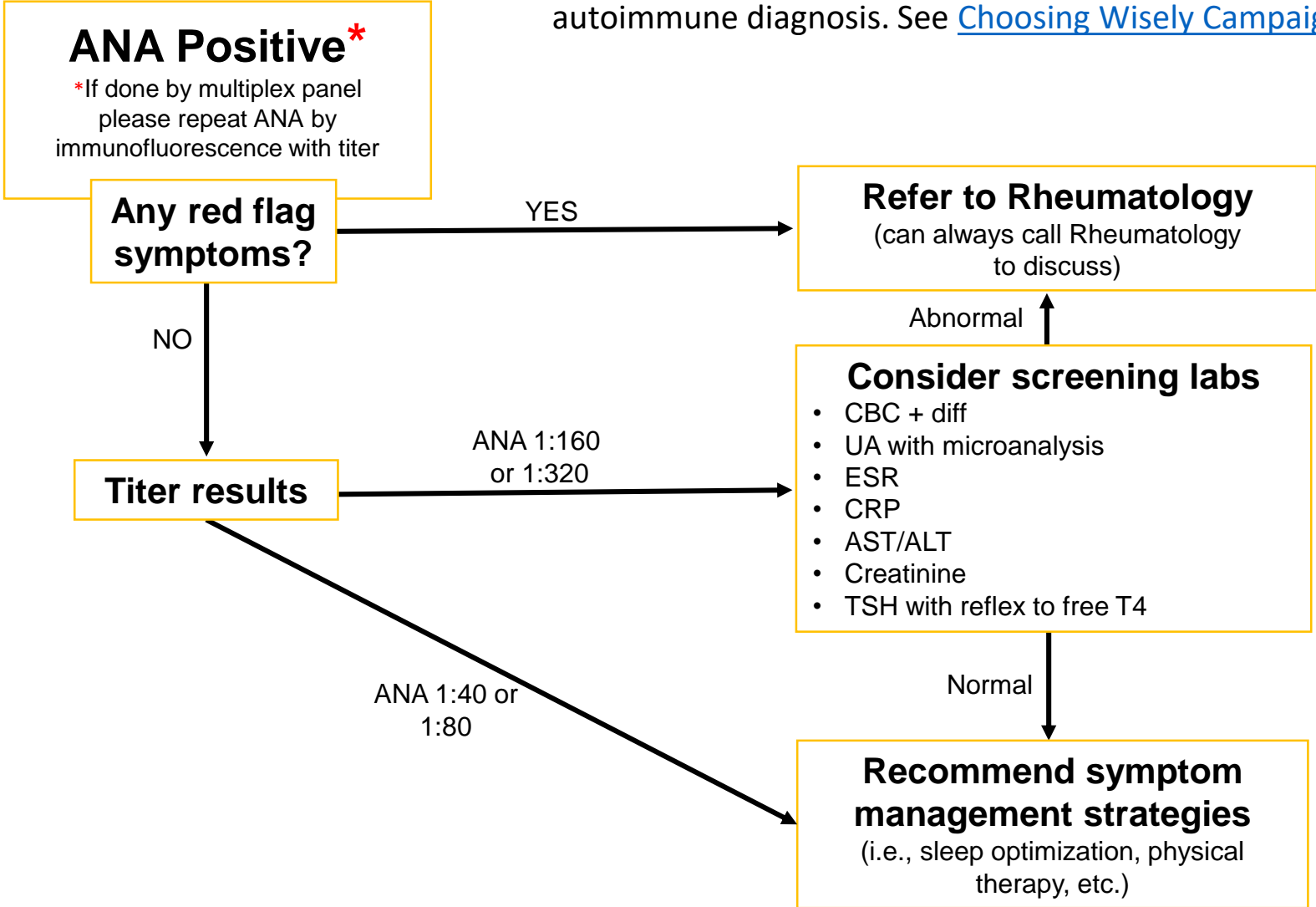


Algorithm: Antinuclear Antibodies (ANA)

ANA/ENA panels are not diagnostic. Positive or negative tests do not confirm or refute an autoimmune diagnosis. See [Choosing Wisely Campaign](#) by the AAP.



Concern for lupus or vasculitis?

- Check a blood pressure
- Check a UA
- Call Rheumatology provider on call to discuss referral timeline

Red flag symptoms

- **High titer ANA $\geq 1:640$ (even if asymptomatic should be evaluated as next available in Rheumatology)**
- Raynaud's (i.e., extremity skin color changes that include a white/numb phase)
- Arthritis (persistent morning stiffness (lasting >15 minutes on more than one occasion), joint swelling or limited range of motion)
- Difficulty with activities of daily living
- New psychosis or significant mood change without other explanation
- Recurrent nasal/palatal/oral ulceration
- Muscle weakness (or elevated muscle enzymes)
- Persistent rashes
- Patchy hair loss, alopecia
- Weight loss
- Persistent fevers
- Hematuria/proteinuria
- Hypertension without other etiology
- Abnormal labs without clear etiology: cytopenia, lymphopenia, elevated ESR/CRP, transaminitis, etc.

If ANA positive at any titer but with any red flag symptoms, please refer to Rheumatology.