



# Specific immunologic interventions in reproductive medicine

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# Indicators for Immune Testing



- ✦ The indications are as follows:
- ✦ (a) two RSA or IVF failures after age 35 or 3 RSA or IVF failure before age 35,
- ✦ (b) poor egg production from a stimulated cycle (less than 6 eggs),
- ✦ (c) blighted eggs,
- ✦ (d) idiopathic (unknown cause) infertility,
- ✦ (e) previous immune problems (ANA positive, rheumatoid arthritis, and/or lupus),

# Antiphospholipid Antibodies Panel

- ✦ Anticardiolipin antibodies -- IgG, IgM, IgA
- ✦ Lupus anticoagulant (LA)
- ✦ Anti B2 glycoprotein—IgG, IgM
- ✦ Antiphosphatidic acid antibodies -- IgG, IgM, IgA
- ✦ Antiphosphoinositol antibodies -- IgG, IgM, IgA
- ✦ Antiphosphoglycerol antibodies -- IgG, IgM, IgA
- ✦ Antiphosphoserine antibodies - IgG, IgM, IgA
- ✦ Antiphosphoethanolamine antibodies -- IgG, IgM, IgA
- ✦ VDRL

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- ✦ First step: Heparines
  - ✦ Second step: Heparines + HCQ (or prednisolone or IVIG)



# Antinuclear Antibody Panel



- ✦ ANA Titer
- ✦ Double stranded DNA
- ✦ SSA
- ✦ SSB

# Antinuclear Antibody Panel



- ✦ ANA Titer: refer to Rheumatologist
  - prednisolone 5+ HCQ (or prednisolone 10 or HCQ 11)
- ✦ Double stranded DNA: refer to Rheumatologist
  - prednisolone 5+ HCQ (or prednisolone 10 or HCQ 11)
- ✦ SSA: refer to Rheumatologist
  - prednisolone 10
- ✦ SSB: refer to Rheumatologist
  - prednisolone 10

## Antithyroid Antibodies Panel



- ✦ Anti-TPO
- ✦ Anti-thyroglobulin
- prednisolone 10 or HCQ 11

## Immunophenotype



- ✦ Natural Killer Cells (CD16+CD56+)
- ✦ prednisolone 10 or HCQ II or Intralipid