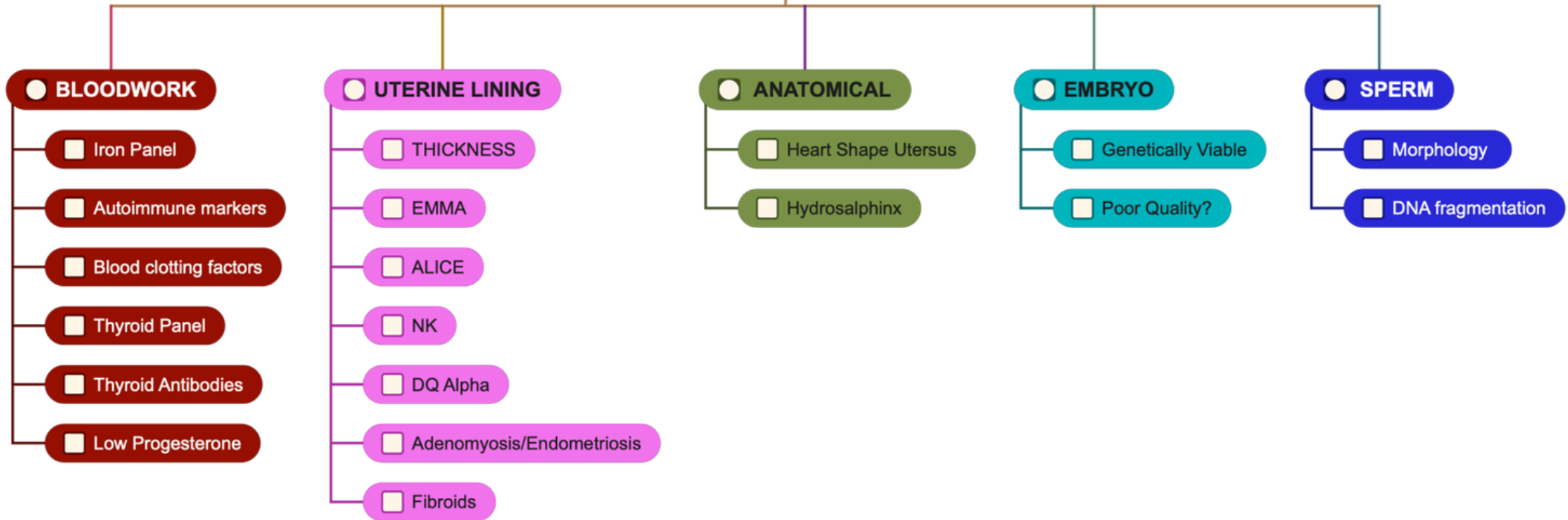
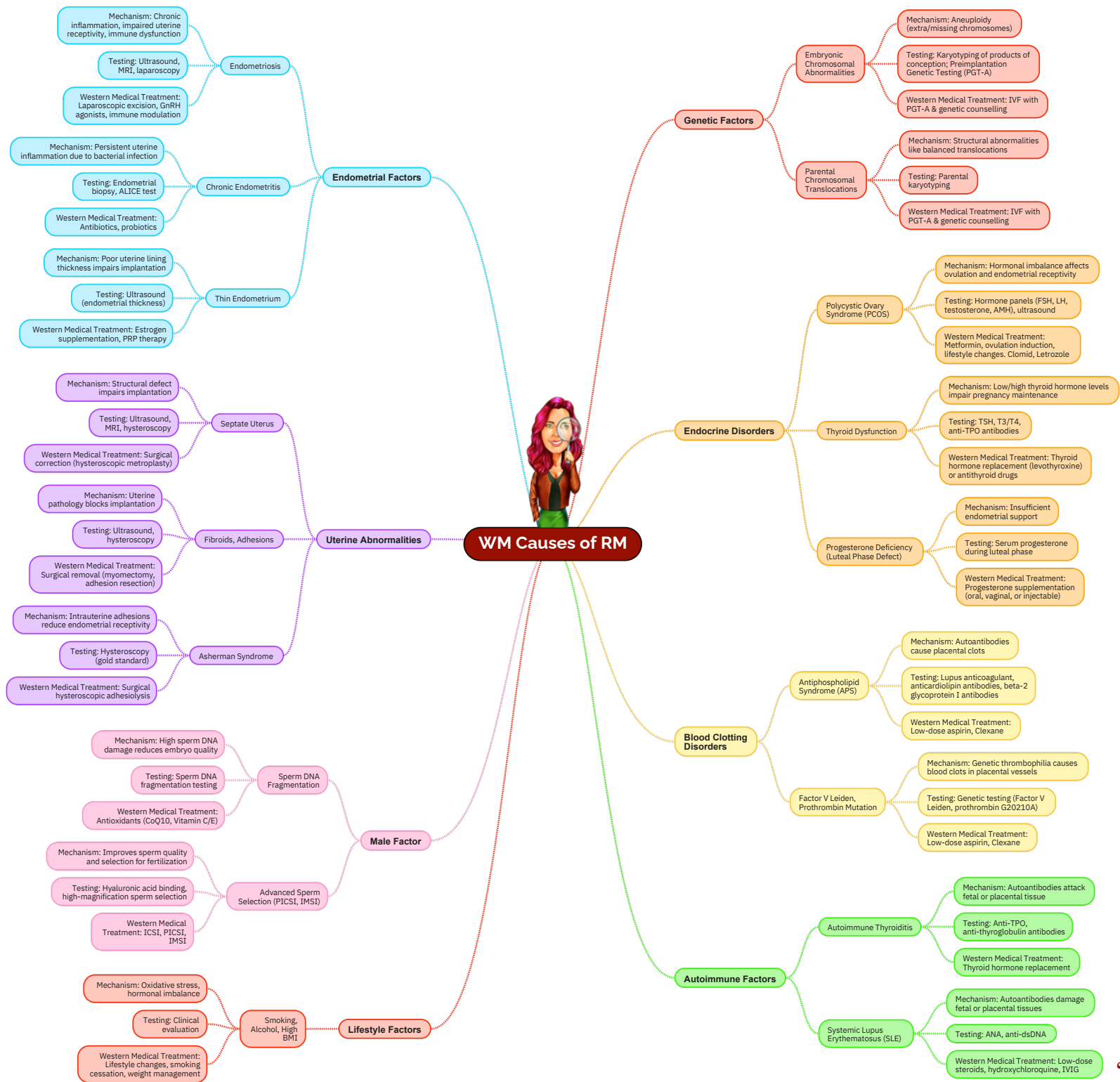
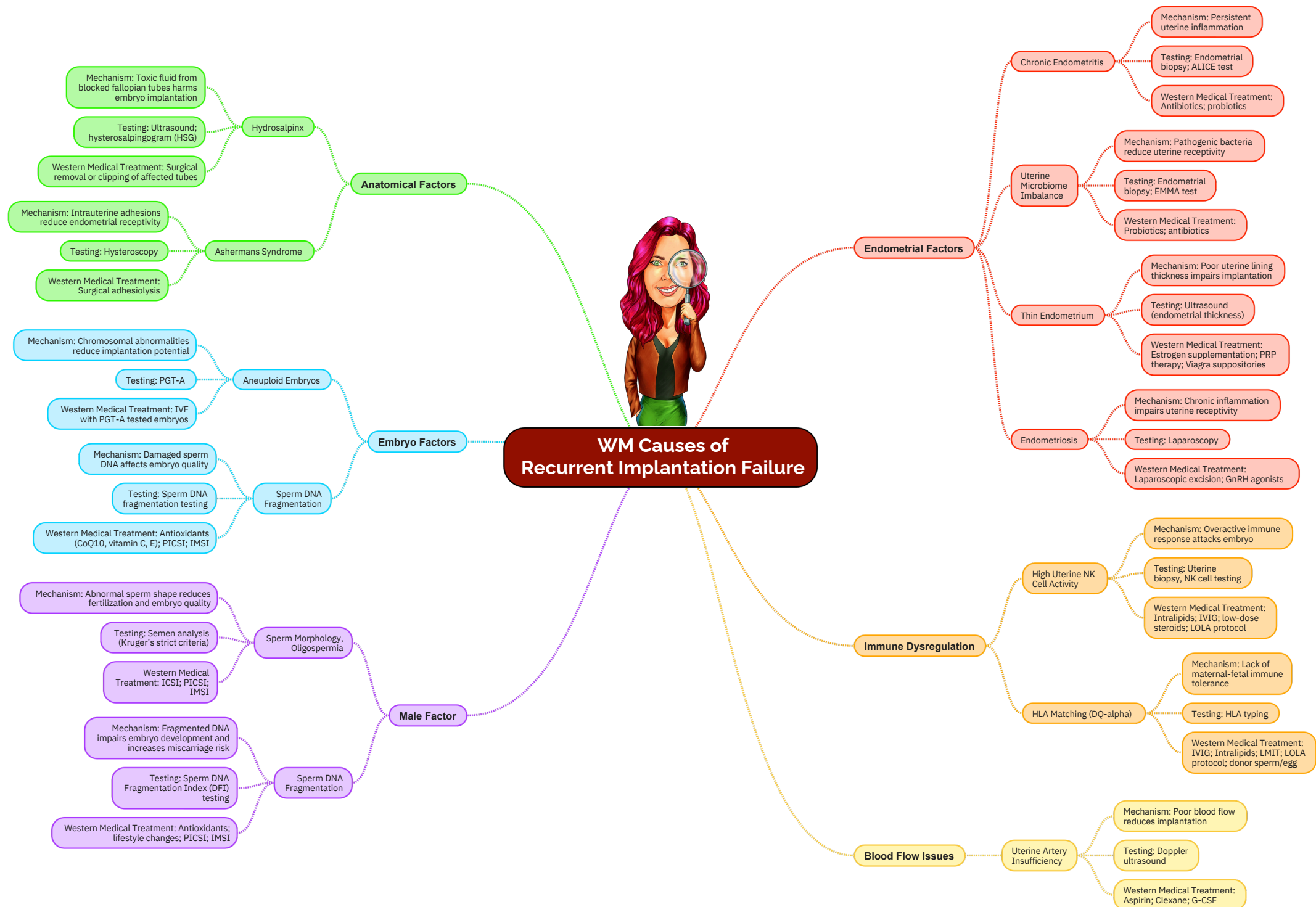




FERTILITY DETECTIVE SYSTEM - RIF& RM









Blood Clotting Disorders RM

Protein S Deficiency

- Details**
 - Similar to Protein C deficiency, Protein S deficiency prevents proper anticoagulation.
 - Can result in placental clot formation.
- Testing**
 - Functional assay for Protein S activity.
- Treatment**
 - Clexane.

Antithrombin III Deficiency

- Details**
 - Genetic condition reducing the activity of antithrombin, a natural anticoagulant.
 - Causes increased risk of clotting in the placenta.
- Testing**
 - Blood test for antithrombin III levels.
- Treatment**
 - Clexane.
 - Antithrombin replacement therapy in severe cases.

Hyperhomocysteinemia (Related to MTHFR Mutation)

- Details**
 - Elevated homocysteine levels damage blood vessels, increasing clot risk.
 - MTHFR gene mutations (e.g., C677T, A1298C) can impair folate metabolism, leading to hyperhomocysteinemia.
- Testing**
 - Genetic testing for MTHFR mutations.
 - Blood test for homocysteine levels.
- Treatment**
 - Activated folate (L-methylfolate).
 - Vitamin B6 and B12 supplementation.
 - Dietary changes to include natural folates.
 - Anticoagulants like low-dose aspirin or Clexane if hypercoagulability is present.

Congenital Thrombophilia (Rare)

- Details**
 - Inherited thrombophilic conditions like dysfibrinogenemia or plasminogen deficiency.
- Testing**
 - Comprehensive thrombophilia screen (specialized lab tests).
- Treatment**
 - Managed on a case-by-case basis with anticoagulants or thrombolytic agents.

Antiphospholipid Syndrome (APS)

- Details**
 - Autoimmune disorder causing abnormal blood clotting and placental dysfunction.
 - Antibodies: Anticardiolipin antibodies (IgG, IgM), Lupus anticoagulant, Beta-2 glycoprotein I antibodies.
- Testing**
 - Blood tests for anticardiolipin antibodies, lupus anticoagulant, and beta-2 glycoprotein I antibodies.
 - Repeat testing after 12 weeks for confirmation.
- Treatment**
 - Low-dose aspirin.
 - Clexane (enoxaparin).

Factor V Leiden Mutation

- Details**
 - Most common genetic thrombophilia.
 - Mutation in Factor V gene prevents normal anticoagulant mechanisms.
 - Can lead to placental thrombosis and miscarriage.
- Testing**
 - Genetic testing for Factor V Leiden mutation.
- Treatment**
 - Low-dose aspirin.
 - Clexane for additional risk factors or recurrent loss.

Prothrombin Gene Mutation (G20210A)

- Details**
 - Genetic mutation increasing prothrombin levels (Factor II).
 - Causes hypercoagulability and placental thrombosis.
- Testing**
 - Genetic testing for Prothrombin G20210A mutation.
- Treatment**
 - Low-dose aspirin.
 - Clexane therapy if recurrent loss is confirmed.

Protein C Deficiency

- Details**
 - Rare inherited condition causing impaired regulation of clotting factors.
 - Leads to excessive clot formation in placental vessels.
- Testing**
 - Functional assay for Protein C activity.
- Treatment**
 - Clexane.
 - Anticoagulant dose adjusted based on severity.



TCM Pattern for RM & RIF

