COAGULATION
ADVANCING THE DIAGNOSIS AND MANAGEMENT OF BLEEDING AND THROMBOSING DISORDERS
COMPREHENSIVE TESTING APPROACHES DRIVEN BY MAYO CLINIC PRACTICE AND RESEARCH

The Mayo Clinic Special Coagulation Laboratory has been at the forefront of patient-centered and value-based diagnostic laboratory testing, research, and patient management for nearly 90 years. Led by a multidisciplinary team of physicians, the laboratory offers a comprehensive repertoire of coagulation tests covering a wide spectrum of bleeding and thrombotic disorders.

COAGULATION BY THE NUMBERS

- **8** Profiles focusing on bleeding and thrombotic disorders
- **45+** Esoteric coagulation test offerings available outside of the profile testing menu
- **350,000** Special coagulation tests performed annually
- **12** Consultants (a group of adult and pediatric hematologists, cardiovascular specialists, and hematopathologists) providing profile interpretations and supporting the laboratory practice
- **1,500+** Profile interpretations and reports provided each month by the rotating consultants
- **30+** Genetic counselors, laboratory assistants, technologists, education specialists, development technologists, quality specialists, and management staffing the laboratory

COLLEGIAL ACCESS TO MAYO CLINIC CLINICIANS, LABORATORIANS, AND GENETIC COUNSELORS

Mayo Medical Laboratories supports the local delivery of health care services, so when assistance is needed with testing options, result interpretation, or case review and coordination, Mayo Clinic clinicians, laboratorians, and genetic counselors are available to discuss questions with you. This rapport also provides the opportunity for general practice discussions among colleagues.

**Telephone** 855-516-8404
**Email** rstmmlhematology@mayo.edu
CONSULTATIVE TEST PANELS FOR COMPLEX OR DIFFICULT DIAGNOSTIC PROBLEMS

Our consultative test panels guide ordering patterns to address specific clinical questions, eliminate false-positive results, and reduce unnecessary testing. For health care providers requesting a single test, many components of these evaluations can also be ordered individually.

ADAMTS13 Activity and Inhibitor Profile
Bleeding Diathesis Profile
Factor 8 Inhibitor Evaluation
Factor 9 Inhibitor Evaluation
Lupus Anticoagulant Profile
Prolonged Clot Time Profile
Thrombophilia Profile
von Willebrand Disease Profile

EXPERTISE AT MAYO CLINIC

The Mayo Clinic Special Coagulation Laboratory is led by the expertise of:

- Physician directors with experience in hematology, hematopathology, cardiovascular diseases, molecular genetics, platelet function and electron microscopy, and protein chemistry.
- Consulting hematologists, cardiovascular specialists, and hematopathologists who focus on clinical and laboratory hemostasis and thrombosis to provide test-panel interpretation and consultation.
- Clinical technical coagulation specialists, who are able to assist clients with questions regarding appropriate testing, specimen requirements, and interpretation of results.

SPECIALIZED TESTING FOR PLATELET DISORDERS

- Platelet Transmission Electron Microscopic Study (Mayo ID: PTEM)
  Assesses platelet ultra-structural abnormalities in congenital and acquired platelet disorders
- Platelet Surface Glycoprotein by Flow Cytometry (Mayo ID: PLAFL)
  Assesses hereditary platelet disorders due to quantitative surface glycoprotein (GP) deficiencies

ALGORITHMIC AND COST-EFFECTIVE TESTING APPROACHES

Coagulation-focused algorithms developed collaboratively among physicians, pathologists, laboratorians, and genetic counselors are available at: mayomedicallaboratories.com/algorithms.

These algorithms:

- Recommend approaches for diagnosis of specific diseases.
- Assist in treatment and monitoring of patient care.
- Guide proper and cost-effective test utilization (e.g., Activated Protein C Resistance testing with reflex to Factor V Leiden analysis).¹

FOR MORE INFORMATION ABOUT COAGULATION TESTING, VISIT
MayoMedicalLaboratories.com/hematology

MAYO CLINIC SPECIAL COAGULATION LABORATORY CONSULTANTS

1. ANEEL ASHRANI, M.D.
   Hematologist
   Coagulation fellowship director; thrombosis in cancer

2. DONG CHEN, M.D., PH.D.
   Hematopathologist, Co-Director
   Platelet biopsy & disorders

3. RONG HE, M.D.
   Hematopathologist
   Molecular mechanisms of coagulation & hematology disorders

4. C. CHRISTOPHER HOOK, M.D.
   Hematologist
   Microangiopathy & benign hematology

5. GRETCEN JOHNS, M.D.
   Co-Director, Florida
   Coagulation & transfusion medicine

6. ARIELA MARSHALL, M.D.
   Hematologist
   Women's health issues in thrombosis/hemostasis

7. ROBERT MCBANE, M.D.
   Cardiologist
   Division Chair, Vascular Cardiology

8. WILLIAM NICHOLS, JR., M.D.
   Hematologist
   Hemophilia & von Willebrand disease

9. ANIMESH PARANANI, M.B.B.S., PH.D.
   Hematologist
   Bleeding & thrombosis in hematologic neoplasms

10. RAJIV PRUTHI, MBBS
    Hematologist, Co-Director
    Hemophilia Center, Director

11. DEEPTI WARAD, M.B.B.S.
    Pediatric Hematologist & Oncologist
    Pediatric hemostasis & thrombophilia

12. WALDEMAR WYSOKINSKI, M.D., PH.D.
    Cardiologist
    Thrombophilia Center, Director; specialist in vascular medicine