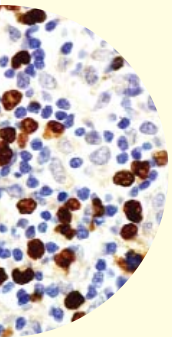


The leading choice
of pathologists,
clinicians and patients
who seek an expert opinion
in hematopathology.



► **For More Information**

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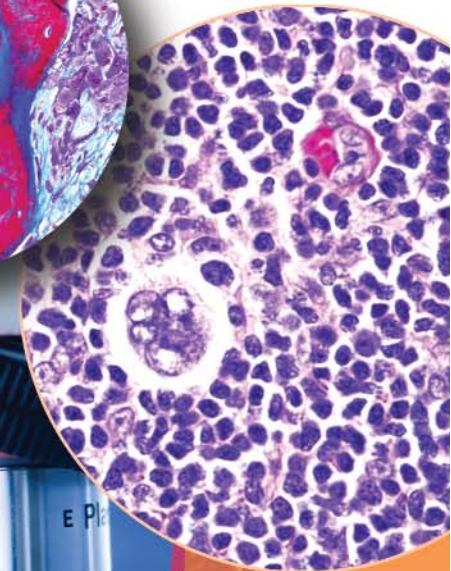
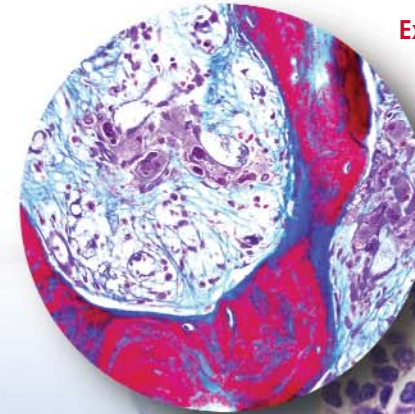
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Weill Cornell Physicians

**Weill Cornell Hematopathology
Comprehensive Diagnostic and
Consultation Service**

**Excellence in Academic
and Diagnostic
Hematopathology**



Attilio Orazi, MD
Ethel Cesarman, MD, PhD
Scott Ely, MD, MPH
Julia Geyer, MD
Daniel M. Knowles, MD
Susan Mathew, PhD
Sonam Prakash, MD
Wayne Tam, MD, PhD
Y. Lynn Wang, MD, PhD

Weill Cornell Hematopathology Comprehensive Diagnostic and Consultation Service

Excellence in Academic and Diagnostic Hematopathology

Weill Cornell Hematopathology Comprehensive Diagnostic and Consultation Service, with an internationally recognized faculty, offers physicians an unsurpassed level of expertise, state-of-the-art scientific analysis and personal attention. Guided by the vision and leadership of Dr. Attilio Orazi, the Service offers referring physicians the speed and accuracy of results required to best assist their patients.

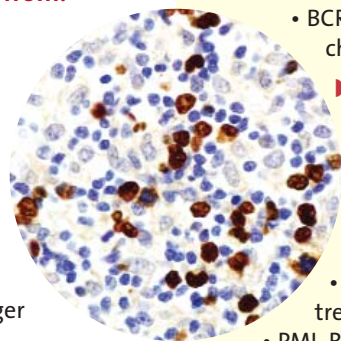
The Service provides a single, comprehensive hematopathology consultation report containing detailed diagnostic and prognostic information. For patients with multiple samples, a systematic comparative evaluation is used to address issues such as disease progression as well as response to therapy. When seeking a second opinion, you are provided with a clear evidence-based interpretation which takes into consideration the clinical presentation and the disease history. This approach is important in neoplastic pathology of lymph node, bone marrow or spleen in view of the complicated diagnostic algorithms necessary to apply the current WHO (2008) classification, e.g., for cases of organ-based lymphomas, lymphoma in immunocompromised patients or in many myeloid neoplasms. Telephone consultations are encouraged. A dialogue with the clinician may even be necessary to reach a comprehensive interpretation and to understand the full implications of the diagnosis.

Referring physicians and their patients benefit from:

- ▶ Consultation and case review by international experts in hematopathology—difficult cases are discussed in a consensus conference. Clients benefit from the expertise of five hematopathologists without incurring additional fees.
- ▶ State-of-the-art flow cytometry, immunohistochemistry and molecular laboratories.
- ▶ Efficient personal attention and timely reporting.
- ▶ Specimen transport-Federal Express and messenger service at no cost to the physician or patient. For consultation cases, all tissue block(s) and original slides are promptly returned.

- ▶ Our hematopathologists have consistently been recognized in *New York Magazine's Best Doctors in*

New York, Castle Connolly's renowned *America's Top Doctors*—New York Metro Area edition and in the *Super Doctors* list published in *The New York Times Magazine*.



Services

The Hematopathology Consultation Report

The report includes all diagnostic information. On a case-by-case basis, it may include:

Morphology

A concise morphologic synopsis of any relevant findings, such as a manual differential count, is included in each report.

Immunohistochemistry

More than 300 IHC stains, including all those that are necessary for diagnosis and prognosis.

Flow Cytometry

Multi-color flow cytometric analysis for lymphomas, leukemias and multiple myeloma.

Manual or Computer Image Analysis for Myeloma Proliferation Index

Two-color IHC to exclude non-myeloma cells from the analysis and provide a myeloma cell-specific proliferation index. This service is routinely performed on all multiple myeloma specimens.

Molecular Pathology

Molecular assays, as needed on a case-by-case basis:

▶ Lymphoma

- Immunoglobulin heavy chain gene rearrangement for B cell clonality
- Immunoglobulin light chain gene rearrangement as a second tier test for B cell clonality
- BCL2-IGH analysis to detect a t(14;18), as is typically found in follicular lymphoma
- T cell receptor gene rearrangement for T cell clonality
 - BCR-ABL analysis, p190, to detect the Philadelphia chromosome in ALL

▶ Plasma cell neoplasms (myeloma, amyloidosis, MGUS)

- Immunoglobulin light chain gene rearrangement for plasma cell clonality
- ▶ Myeloid Disorders
 - BCR-ABL analysis by RT-PCR, p210, to detect the Philadelphia chromosome in CML
 - Quantitative BCR-ABL analysis to track treatment efficacy in CML
 - PML-RAR analysis by RT PCR to detect t(15;17) in acute promyelocytic leukemia
 - JAK2 genotyping for diagnosis of myeloproliferative disorders

▶ Virus Detection

- EBV PCR • HTLV1 PCR • KSHV (HHV8) PCR

FISH

Comprehensive FISH services, including chromosomal abnormalities required for WHO subtyping.

Cytogenetics

Cytogenetic analysis—widely regarded as the most thorough analysis available.

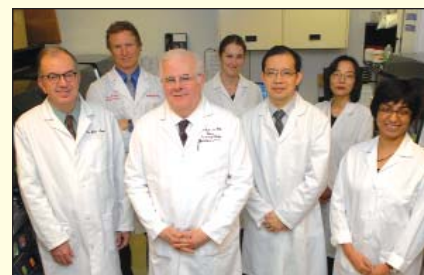
Medical and Scientific Faculty



Attilio Orazi, MD, FRCPath

Professor and Vice Chairman for Hematopathology
Weill Cornell Medical College
Director, Division of Hematopathology
Department of Pathology and
Laboratory Medicine
NewYork-Presbyterian Hospital

Dr. Attilio Orazi is an internationally renowned academic hematopathologist expertly qualified to consult in all areas of hematopathology with an emphasis in bone marrow. He has published more than 150 papers, numerous textbook chapters and review articles and has co-authored three major textbooks. Dr. Orazi is listed in *New York Magazine's Best Doctors in New York City*; *Castle Connolly's Top Doctors: New York Metro Area*, *America's Top Doctors*, *America's Top Doctors for Cancer*; *Best Doctors in America*; *Who's Who in America* and *Who's Who in Medicine*.



Faculty

Front l-r: Attilio Orazi, MD
Daniel M. Knowles, MD
Wayne Tam, MD, PhD
Sonam Prakash, MD
Back l-r: Scott Ely, MD MPH
Julia Geyer, MD
Y. Lynn Wang, MD, PhD
Not pictured:
Ethel Cesarman, MD, PhD
Susan Mathew, PhD

Hematopathology Faculty

Daniel M. Knowles, MD is an internationally recognized hematopathologist with special expertise in the morphologic, immunologic and molecular pathologic diagnosis of hematologic malignancies. He has been listed in *Who's Who in America*, *Who's Who in Medicine*, *Best Doctors in New York City*, *Super Doctors®*, *Best Doctors in New York Metropolitan Area*, *Top Doctors for Cancer* and *Best Doctors in America*.

Scott Ely, MD, MPH is an expert hematopathologist with particular expertise in plasma cell diseases.

Wayne Tam, MD, PhD is an expert hematopathologist with particular expertise in malignant lymphoma.

Sonam Prakash, MD is an expert general hematopathologist.

Julia Geyer, MD is an expert general hematopathologist.

Molecular Pathology Faculty

Ethel Cesarman, MD, PhD is an internationally recognized molecular biologist with special expertise in hematopathology.

Y. Lynn Wang, MD, PhD is a nationally recognized expert in molecular hematopathology.

Susan Mathew, PhD is a nationally recognized expert in classical cytogenetics and molecular cytogenetics.

All faculty are board certified in anatomic pathology, clinical pathology, hematology and/or molecular genetic pathology.