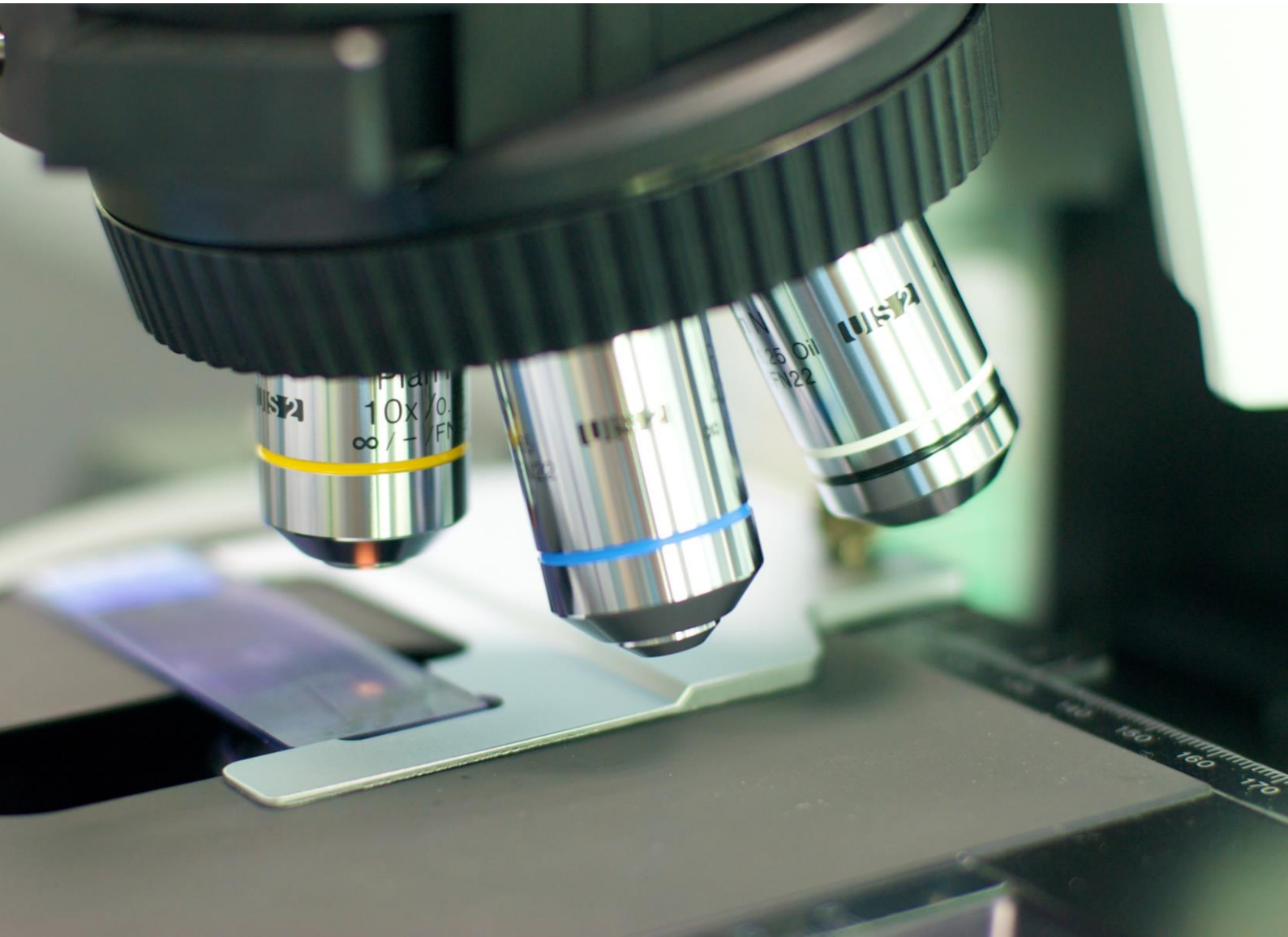
المختبر المرجعي الوطني
National Reference Laboratory
A Mubadala Health Partner

Anatomic Pathology

Bringing world-class expertise to the UAE



Anatomic Pathology

National Reference Laboratory (NRL) brings to the region world-class anatomic pathology (AP) services, connecting referring physicians with locally present specialized pathology experts to provide highly specialized in-country services.

NRL's scientific team is one of the largest internationally accredited and board certified expert teams (FRCPath and US board certified) in the country.

Our team comprises of leading pathologists and clinical scientists providing specialized experience and expertise across a range of disease areas, supported by a large team of medical laboratory scientists.

In addition, NRL offers our clients the ability to obtain advice and support directly from our medical and scientific teams.

At NRL, we practice specialty-oriented pathology. Our team of anatomic pathology experts have world class expertise in the following specialties:

- bone pathology
- breast pathology
- cytopathology
- dermatopathology
- gastrointestinal pathology
- general surgical pathology
- genitourinary pathology
- gynecologic pathology
- hematopathology
- renal pathology
- soft tissue pathology



Services

NRL provides a complete range of AP services, which allows us to serve all AP needs of our clients including medical centers, hospitals, and stand-alone laboratories.

- **Primary diagnosis services:** full outsourcing of subspecialized histopathology needs.
- **Second opinion and e-pathology services:** access to our in-country team of pathologists as well as our global network of partners from world renown institutes like CCF, Labcorp.
- **Backup/referral services** for hospitals and stand-alone laboratories.

This enables NRL to cater completely to the needs of our clients.



Digital pathology

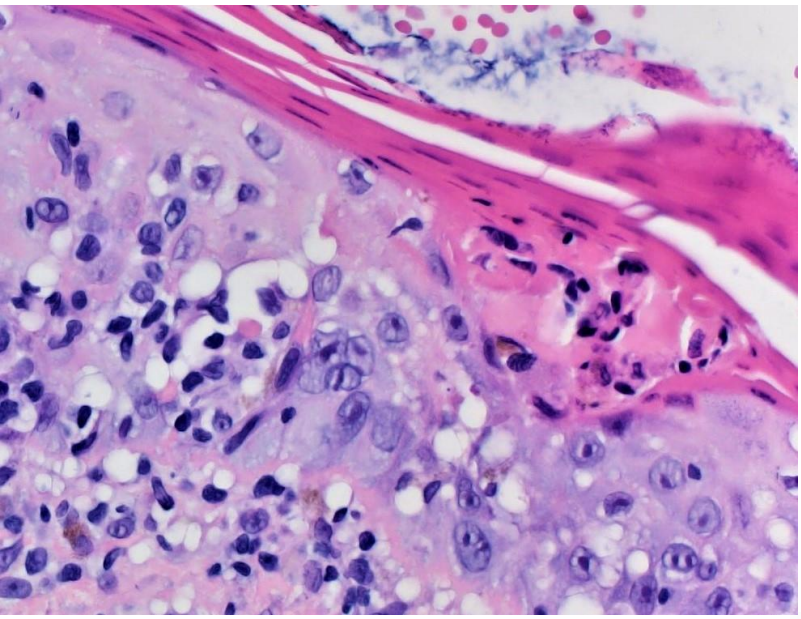
The production of whole slide images is the most advanced form of digital pathology, in which a high resolution digital scanner is used to rapidly scan glass microscope slides and produce a computer-generated whole slide image that can be saved, stored in a network-attached storage device, and accessed through slide management software within the hospital domain and remotely by authorized users.

Digital transformation of glass slides has revolutionized the practice of anatomic pathology by facilitating and expediting consultation services, improving clinical workflow, and becoming an indispensable tool in education and research.

Digital pathology at NRL

NRL utilizes digital consultations (eConsult) and digital immunohistochemistry services (eIHC). The digital pathology platform is our preferred choice for consultation with our colleagues at Cleveland Clinic Ohio, to obtain a rapid pathology review within a turnaround time of 48-72 hours. For urgent cases such as transplant related renal biopsies, the digital consultation workflow is utilized for rapid diagnosis and treatment.

We have also established an internal archiving system together with a specialty-based, organ-specific digital library of pathology cases.



Specialized staining

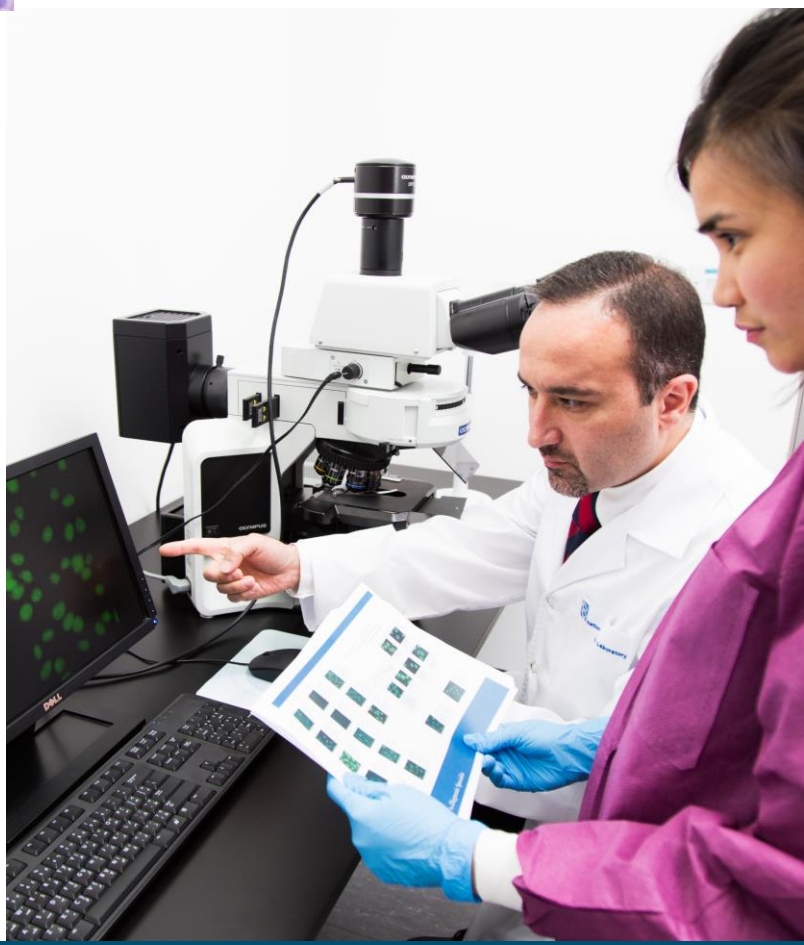
NRL is committed to the continuous expansion of our large in-house specialized stains menu, which greatly increases the accuracy of the diagnosis.

Our menu of over 190 special and immunohistochemical stains is one of the largest in the region, which include advanced prognostic stains such as PDL-1.

For a full list of stains available at NRL please refer to our staining menu.

State-of-the-art facilities

Our laboratory is equipped with the latest high-quality equipment that enables us to achieve optimal results for all technical areas that include tissue processing, microtomy and staining of samples.



Quality assurance

The AP laboratory is accredited by the College of American Pathologists (CAP) and EIACI ISO 15189, and our state-of-art facility is one of the largest of its kind in the region.

We have strict quality parameters and KPI's in place to ensure accurate and reliable testing that is performed in timely manner to support client expectations.

For more information on NRL's Anatomic Pathology services, please contact our Customer Care team on **800-NRL (675)** or **customercare@nrl.ae**