

Practical Laboratory Andrology

Kurzrock-Miller test

test Sperm-cervical mucus contact test Mortimer, David (1994). Practical laboratory andrology. New York: Oxford University Press. pp. 186-188. ISBN 9780195065954

The Kurzrock-Miller test is an in-vitro test of sperm-mucus interaction. It consists of establishing an interface between cervical mucus and liquefied semen. It is one of the tests used for investigating infertility.

Sperm-cervical mucus contact test

egg penetration test Postcoital test Mortimer, David (1994). Practical laboratory andrology. New York: Oxford University Press. pp. 188-189. ISBN 9780195065954

The sperm-cervical mucus contact test is an in-vitro slide test used for detecting antisperm antibodies. It is one of the investigations done for infertility. It should not be confused with Kurzrock-Miller test, where there is interface between the two materials; whereas in this test the materials are thoroughly mixed.

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Hamster zona-free ovum test

test Sperm-cervical mucus contact test Mortimer, David (1994). Practical laboratory andrology. New York: Oxford University Press. pp. 221-237. ISBN 9780195065954

The hamster zona-free ovum test (HZFO test), or hamster egg-penetration test, or sometimes just hamster test, is an in-vitro test used to study physiological profile of spermatozoa. The primary application of the test is to diagnose male infertility caused by sperm unable to penetrate the ova. The test has limited value, due to expense and a high false negative rate.

Clinical Laboratory Improvement Amendments

analysis and the postcoital test, but does not apply to andrology nor embryology laboratories, nor testing performed as part of an assisted reproductive

The Clinical Laboratory Improvement Amendments (CLIA) of 1988 are United States federal regulatory standards that apply to all clinical laboratory testing performed on humans in the United States, except clinical trials and basic research.

Medical laboratory scientist

ASCP Procedures for Examination & Certification. Andrology Laboratory Scientist, Embryology Laboratory Scientist, and

Molecular Diagnostics Technologist

A Medical Laboratory Scientist (MLS) or Clinical Laboratory Scientist (CLS) or Medical Technologist (MT) is a licensed Healthcare professional who performs diagnostic testing of body fluids, blood and other body tissue. The Medical Technologist is tasked with releasing the patient results to aid in further treatment. The scope of a medical laboratory scientist's work begins with the receipt of patient or client specimens and finishes with the delivery of test results to physicians and other healthcare providers. The utility of clinical diagnostic testing relies squarely on the validity of test methodology. To this end, much of the work done by medical laboratory scientists involves ensuring specimen quality, interpreting test results, data-logging, testing control products, performing calibration...

Papanicolaou stain

Mortimer; Christopher L. R. Barratt (1 April 2010). A Practical Guide to Basic Laboratory Andrology. Cambridge University Press. ISBN 978-1-139-48249-3

Papanicolaou stain (also Papanicolaou's stain and Pap stain) is a multichromatic (multicolored) cytological staining technique developed by George Papanicolaou in 1942. The Papanicolaou stain is one of the most widely used stains in cytology, where it is used to aid pathologists in making a diagnosis. Although most notable for its use in the detection of cervical cancer in the Pap test or Pap smear, it is also used to stain non-gynecological specimen preparations from a variety of bodily secretions and from small needle biopsies of organs and tissues. Papanicolaou published three formulations of this stain in 1942, 1954, and 1960.

Kharkiv National Medical University

"Nephrology and Urology" – the Department of Urology, Nephrology and Andrology and Shapoval Regional Clinical Centre for Urology and Nephrology; "Medical

The Kharkiv National Medical University (Ukrainian: Харківський національний медичний університет), formerly known as Kharkiv Medical Institute and previously Kharkiv State Medical University, is a State-sponsored medical university in Kharkiv, Ukraine. In March 2022 many buildings were heavily damaged due to the Russian invasion into Ukraine.

Over 700 teachers work at the departments of the university. Staff capacity is 5 corresponding members NAMN Ukraine, 17 Honoured Scientist of Ukraine, 2 Honored high school Ukraine, 13 distinguished doctors of Ukraine, 8 winners of the State Prize of Ukraine in Science and Engineering, 28 academicians of the public academies of Ukraine, 28 employees - Member of International Medical Associations;. Since 1951, the university has been training medical...

Angiolipoma

caused by PSMA expression in capillaries: a case report” . *Translational Andrology and Urology*. 10 (2). AME Publishing Company: 991-996. doi:10.21037/tau-20-1099

Angiolipoma is a subcutaneous nodule with vascular structure, having all other features of a typical lipoma. They are commonly painful. Angiolipomas manifest as multiple painful subcutaneous nodules commonly on the upper limbs. They can occur sporadically, with a family history or after trauma. Angiolipomas can be seen on CT scans and MRI but are diagnosed based on histopathology. Total excision or liposuction is used to treat angiolipomas. They are more common in men and usually appear in third and second decades of life.

Semen analysis

needed] *Semen analysis is a complex test that should be performed in andrology laboratories by experienced technicians with quality control and validation of*

A semen analysis (plural: semen analyses), also called seminogram or spermiogram, evaluates certain characteristics of a

male's semen and the sperm contained therein. It is done to help evaluate male fertility, whether for those seeking pregnancy or verifying the success of vasectomy. Depending on the measurement method, just a few characteristics may be evaluated (such as with a home kit) or many characteristics may be evaluated (generally by a diagnostic laboratory). Collection techniques and precise measurement method may influence results. The assay is also referred to as ejaculate analysis, human sperm assay (HSA), sperm function test, and sperm assay.

Semen analysis is a complex test that should be performed in andrology laboratories by experienced technicians with quality control and...

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