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Nota di contenuto	Guide to Related Topics Test Formats Area or Body Systems Tested Acknowledgments Introduction Why Medical Testing Isn't an Exact Science Entries Abdominal X-Ray Activated Partial Thromboplastin Time (aPTT) Acute Viral Hepatitis Panel Amniocentesis Amylase Anoscopy Antinuclear Antibody Panel Arterial Blood Gas (ABG) Analysis Arthroscopy Audiometry Autoantibody Tests Balance Assessment Tests Barium Enema Basic Metabolic Panel Blood Alcohol Level Blood Pressure Blood Urea Nitrogen Bone Densitometry Bone Marrow Aspiration and Biopsy Bone X-Ray Breast MRI Bronchoscopy Cardiac Catheterization Cell-Free DNA Test Chest X-Ray Colonoscopy Colposcopy Complete Blood Count Comprehensive Metabolic Panel Computer Axial Tomography C-Reactive Protein Cystoscopy Digital Rectal Exam Discography DNA Testing for Genealogy D-Xylose Absorption Test Echocardiography Electrocardiogram Electroencephalogram Electrolyte Panel Electromyography Electrophysiologic Study Endoscopic Retrograde Cholangiopancreatography Endoscopic Ultrasound Erythrocyte Sedimentation Rate Exercise Stress Test Fecal Occult Blood Test Fine Needle Aspiration Fistulogram Fluorescein Angiography

Galactography Glucose Tolerance Gram Stain hCG Tumor Marker
Hemoglobin A1C HIV Antigen/Antibody (p24) and HIV Antibody Holter
Monitor Home Blood Glucose Test HPV Test Human Chorionic
Gonadotropin Hysterosalpingogram Intravenous Pyelogram Kidney
Function Panel KUB X-Ray Laparoscopy Laryngoscopy Lead Test Lipid
Panel Liver Function Panel Lumbar Puncture Lyme Disease Tests
Magnetic Resonance Imaging (MRI) Mammogram Maternal Serum
Screen Microalbumin Mononucleosis Test Multigated Acquisition Scan
Myelogram Nucleic Acid and Nucleic Acid Amplification Tests Oxygen
Saturation Test Panoramic Dental Radiography Pap Test Pediatric
Voiding Cystourethrogram Pleural Fluid Analysis Positron Emission
Tomography Prenatal Genetic Screening Tests Proctoscopy Prostate
Specific Antigen Protein Electrophoresis Prothrombin Time and Partial
Thromboplastin Time Pulmonary Function Tests Quantitative
Immunoglobulins Rapid Influenza Diagnostic Test Rapid Strep Test
Segmental Doppler Pressures Semen Analysis Sexually Transmitted
Infection Tests Skin Biopsy Skin Tests for Allergies Small Bowel Follow-
Through Snellen Test for Visual Acuity Sputum Evaluation Stereotactic
Breast Biopsy Stool Culture Susceptibility Testing Testosterone Level
Therapeutic Drug Monitoring Thoracoscopy Throat Culture Thyroid
Scan and Uptake Thyroid Stimulating Hormone Levels Tonometry
Toxicology Screening Tumor Marker Tests Ultrasound Upper Endoscopy
Uric Acid Blood Test Urinalysis Urine Culture Venography Ventilation-
Perfusion Scan West Nile Virus Test Whooping Cough Tests Zika Virus
Testing Medical Testing Scenarios Antinuclear Antibody Panel (ANA)
and Other Autoimmune Disease Enzymes Elevated Glucose in a
Comprehensive Metabolic Panel Genetic Testing Lyme Disease Prenatal
Genetic Testing Rapid Influenza Test Stress Echocardiography Test
Testosterone Level Tumor Marker Tests X-Ray of the Neck and MRI
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Sommario/riassunto

This encyclopedia examines more than 125 of the most important and commonly performed medical tests, providing readers with information about how and why they are performed and how each test contributes to monitoring health and diagnosing and treating medical conditions. Whether it's to proactively monitor health, diagnose a condition, or assess how well a particular treatment is working, we all undergo a variety of medical tests throughout our lives. While these tests provide valuable information for doctors and patients, they can sometimes carry significant risks, provide ambiguous or incorrect results, or raise more questions than they answer. Contrary to what some may think, medical testing isn't a simple "yes or no" science carried out by computers in a lab—it is a dynamic process that relies heavily on human detective work and interpretation. *Medical Tests in Context: Innovations and Insights* highlights more than 125 tests performed across a wide range of medical specialties. Each entry in this encyclopedia follows a standardized format that provides readers with information about how, when, and why the test is conducted; the preparation and risks; how results are determined and where errors might occur; and its history. A collection of case studies offers real-world examples of the successes-and shortcomings-of medical testing.
