

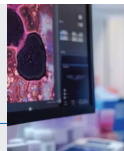
"When diagnostic labs begin to think like clinicians, we stop being service providers and become clinical allies".

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MICRO Health Bulletin

QUARTERLY
EDITION

JANUARY-2026 | VOLUME-1 | ISSUE-1



Message from the CEO

Dear Patrons,

It is with great pride and optimism that I welcome you to the inaugural edition of the Micro Health Bulletin. This publication marks an important step in our ongoing journey to foster knowledge, encourage meaningful dialogue, and share insights that are shaping the present and future of healthcare; both locally and globally.

The Micro Health Bulletin will be issued periodically, bringing together carefully curated perspectives on global healthcare strategies, emerging medical innovations, and significant international health developments. In addition, it will feature expert viewpoints, reflections on pressing healthcare challenges, and updates on Micro Health's initiatives and milestones. Central to this journey is our continued advancement in Precision Diagnostics, which remains at the core of our vision for excellence in diagnostic medicine and scientific leadership.

More than an informational publication, this bulletin is envisioned as a platform for thought leadership. It seeks to bridge clinicians, scientists, healthcare leaders, and policymakers by highlighting transformative ideas, translational research, and future ready diagnostic approaches. Through this exchange of knowledge, we aim to inspire a collective mindset that anticipates change,



Dr. Noushad Ck
Global CEO

embraces innovation with purpose, and contributes to a more resilient and evidence driven healthcare ecosystem.

Our objective is to empower informed decision making, professional growth, and collaborative progress; ultimately ensuring that innovation translates into meaningful outcomes for patients and communities. We believe that the future of healthcare belongs to those who combine scientific rigor with curiosity, responsibility, and vision.

I extend my sincere gratitude to each of you for your trust and continued support. Your confidence in Micro Health motivates us to strive relentlessly in our mission to deliver precision, quality, and innovation in healthcare. Together, let us move forward with purpose, shaping a healthier and more informed world.

Warm regards,

Dr. Noushad Ck
Global CEO



Micro Health Achieves CAP Accreditation and JCI USA Reaccreditation

A Defining Milestone in Diagnostic Excellence

It is with immense pride that we announce a landmark achievement. Micro Health Laboratories Qatar has been awarded the College of American Pathologists CAP Accreditation and JCI USA Reaccreditation, both globally recognized standards for quality, accuracy, patient safety, and clinical excellence in laboratory medicine and healthcare.

This distinction crowns two years of meticulous preparation, continuous quality advancement, and rigorous standardization across every aspect of our operations. Each test, process, and report has been evaluated against the most stringent international benchmarks to ensure absolute precision and scientific integrity.

Today, we stand proudly as Qatar's largest and only comprehensive Precision Diagnostic Centre, uniting all major disciplines of Laboratory Medicine and Pathology, including Genetics and Genomics, under one integrated ecosystem. These achievements strongly align with the Qatar National Vision 2030, as we continue to advance healthcare through innovation, automation, and sustainable quality systems.

For over 15 years in Qatar and nearly three decades globally, Micro Health Laboratories has been built on trust, precision, and forward thinking, strengthened by global partnerships with leaders such as GE Healthcare and Abbott Laboratories S.A.

This is more than accreditation.

What this really means is accountability at the highest level and a promise we renew every day to raise the bar in diagnostic excellence for Qatar and beyond.



**Joint
Commission
International**
JCI Accredited Laboratory

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Our first step toward greater milestones

The inaugural edition of the Micro Health Bulletin marks more than a beginning. It marks the moment an idea found its shape, and a spark found its voice dedicated to knowledge, care, and the people behind both.

Like the first drop that creates ripples across still water, this publication carries the intent to reach far and wide - to inform, to inspire, and to ignite dialogue. Within its pages lie stories of progress, perseverance, and purpose - stories that remind us that behind every diagnosis, innovation, and achievement, there is a person, a team, and a vision for better care.

The Micro Health Bulletin will be published quarterly, serving as both a mirror and a map - reflecting the path we've travelled and charting the way ahead. It brings together thought pieces, expert insights, and creative features that capture the changing rhythm of healthcare. From the lab bench to the patient's bedside, from innovation in diagnostics to compassionate care - each section is designed to celebrate knowledge, recognize contribution, and advance awareness.

But this is just the beginning. Future editions

will expand to include conversations with specialists, myth-busting columns, wellness narratives, patient perspectives, and glimpses into global health trends. Our vision is to make this bulletin not only informative but engaging- a publication that encourages curiosity, inspires learning, and connects everyone who shares the same mission: better health for every life we touch.

We extend our heartfelt gratitude to every contributor and supporter who helped transform this idea into reality. As you turn these pages, we invite you to read, to reflect, and to add your voice to this growing dialogue

Every shared story strengthens understanding. Every conversation drives progress. And every step brings us closer to a healthier tomorrow.



Alka Meera Sunny
Chief Editor

CAP-Accredited Departments at Micro Health Laboratories Qatar

Micro Health Laboratories Qatar proudly holds accreditation from the College of American Pathologists (CAP), the world's most recognized authority in laboratory quality and excellence. This accreditation stands as a testament to our unwavering commitment to precision, accuracy, and reliability across all facets of laboratory medicine and pathology.

Under the CAP Laboratory Accreditation Program, the following departments and specialties at Micro Health Laboratories have been rigorously evaluated and accredited

ALL COMMON

Anatomic Pathology Processing

Bacteriology - Body Fluid Analysis

Chemistry - Coagulation

Conventional Cytogenetics

Cytology Processing - Director Assessment

Gynecologic Cytopathology

Hematology - Immunology

Inherited Genetics - Laboratory General

Molecular Microbiology

Mycology - Non Gynecologic Cytopathology

Special Chemistry

Surgical Pathology - Toxicology - Urinalysis

Each department meets the most stringent international standards, ensuring every report issued by Micro Health Laboratories reflects scientific excellence and diagnostic precision.

This CAP accreditation reinforces our position as Qatar's largest and only comprehensive Precision Diagnostic Centre, and further strengthens our promise to deliver world-class diagnostic services rooted in quality, trust, and innovation.



Micro Health Laboratories Qatar proudly holds accreditation from the College of American Pathologists (CAP), the world's most recognized authority in laboratory quality and excellence. This accreditation stands as a testament to our unwavering commitment to precision, accuracy, and reliability across all facets of laboratory medicine and pathology.

Dineshkumar Soundarraaj
Global COO



Empowering Doctors with Smarter Diagnostics

*Rethinking the Way, We Sell Diagnostics:
From Test-Centric to Disease-Centric*

From Test Lists to Clinical Insight: Rethinking the Role of Diagnostic Laboratories

In today's rapidly advancing world of medicine, diagnostics must evolve not just through technology, but through a deeper understanding of how clinicians think and make decisions. While many laboratories continue to market individual tests, doctors are increasingly thinking in terms of disease progression, patient risk, and therapeutic direction not test names.

A clinician rarely says, "Let me order a lipid panel." Instead, they ask:

- Is my patient showing early signs of diabetic complications?
- Could low-grade inflammation be increasing cardiovascular risk?
- Is kidney function beginning to decline in this hypertensive patient?

These are not just diagnostic questions -they are clinical reflections. Yet, many diagnostic conversations remain test-centric, offering little integration or clinical context.

At Micro Health Reference Laboratories, we believe it's time to move beyond the transactional model of test requisition toward a transformational model of diagnostic partnership-one that aligns lab services with clinical reasoning and patient outcomes.

Smarter Testing, Richer Insight

Consider a patient with type 2 diabetes and fluctuating HbA1c. Instead of suggesting one test at a time, we recommend a Complications Risk Profile that includes:

- Urine microalbumin for early nephropathy detection
- Lipid profile for cardiovascular risk
- Estimated GFR (eGFR) for kidney function
- hs-CRP for inflammation assessment

Viewed together, these parameters provide a far richer picture than when interpreted in isolation. It's not about increasing the number of tests-it's about increasing diagnostic yield through context and insight.

From Service Providers to Clinical Partners

We are also transforming how our teams engage with the medical community. Instead of promoting isolated parameters, our professionals are being trained as diagnostic navigators-equipped to discuss disease-specific testing strategies, precision diagnostics, and evidence-based test selection.

When diagnostic labs begin to think like clinicians, we stop being service providers and become clinical allies.

At Micro Health Reference Laboratories, our philosophy is simple: diagnostics should mirror the clinician's mindset- disease-focused, patient-centred, and decision-driven. Our goal is not to overwhelm doctors with test lists, but to guide them with insight, bundled pathways, and contextual reporting that links symptoms, diagnostics, and next steps.



When Smart Diagnostics Changed Outcomes

Borderline Diabetes in a 45-Year-Old Man

Routine glucose markers appeared reassuring. Expanded metabolic testing revealed early insulin resistance and glycemic variability, shifting care from observation to early intervention.

Irregular Cycles, Skin Changes, and Missed Diagnostic Opportunities

Normal imaging and isolated tests delayed diagnosis. A complete hormonal and metabolic workup confirmed PCOS and redirected management to the root cause.

Low Sperm Count — or a Deeper Hormonal and Genetic Clue?

What seemed like a mild fertility issue uncovered primary testicular dysfunction and DNA damage once hormonal and genetic testing was done, enabling a targeted reproductive plan.

Cardiac Risk in a 60-Year-Old with a "Normal" Lipid Profile

Standard lipids missed elevated Lp(a) and inflammation markers. Advanced testing exposed hidden cardiovascular risk and helped prevent a major event.

The "I'm Just Tired" Patient

Fatigue wasn't due to vitamins alone. Thyroid imbalance and depleted iron stores were identified and treated, restoring energy and function.

The Way Forward

We call on our peers and physician partners to rethink diagnostics not as a list of numbers, but as a **clinical decision-making tool**. **Let's shift the conversation**

From "What test should I order?" to "What decision am I trying to make?"

From transactional testing to diagnostic strategy

From isolated results to integrated insight

By aligning diagnostics with the way clinicians think, we move closer to what truly matters-**better outcomes for every patient.**

At Micro Health Reference Laboratories, our mission is clear:

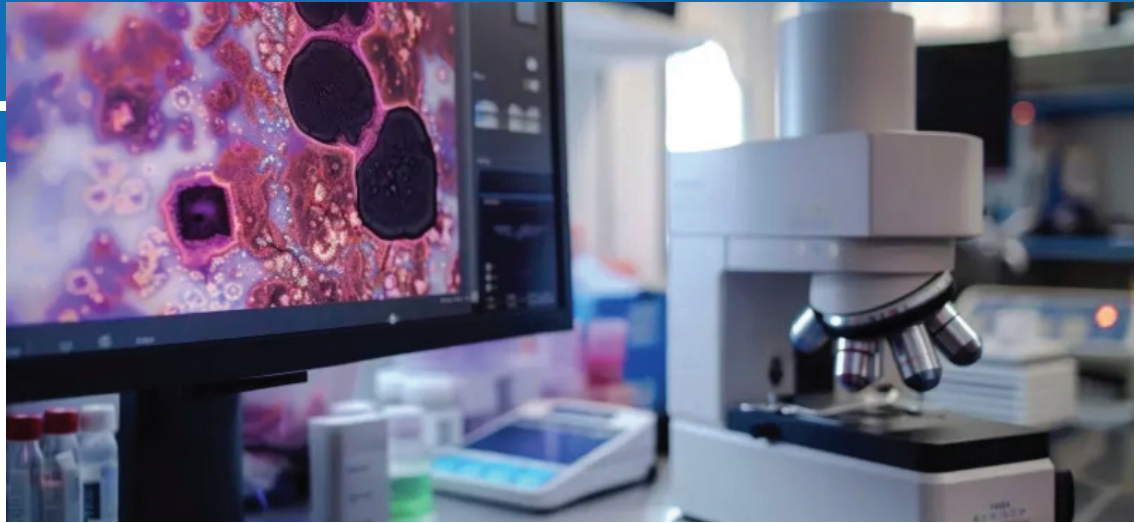
From routine tests to purposeful diagnostics.
From numbers to insight.
From testing to understanding.



Dr. Vijay Vishnu Prasad Natarajan

Medical Director & Specialist,
Laboratory Medicine/
Clinical Pathology

Telepathology: The Future of Digital Diagnosis



Abstract

Telepathology is the practice of diagnostic pathology performed at a distance, with images viewed on a video monitor rather than directly through the microscope. Pathologists have been using microscopes since the 17th century, but with modern advances, tissue-based diagnosis has become highly specific and sensitive. Technological telecommunication advances have revolutionized medicine, and telepathology has emerged in pursuit of better healthcare delivery.

Introduction

Telepathology is the acquisition of histological, cytological, and macroscopic images for transmission through telecommunication pathways for diagnosis, consultation, or education. It is a subtype of telemedicine that allows samples to be sent as electronic images and stored easily. Today, it is widely used in consultation, diagnosis, documentation, and medical education, overcoming the problem of unavailable pathologists in distant areas.

Definition and History

The term "telepathology" was first defined by Ronald Weinstein as the "practice of pathology over a long distance." It began in the 1960s with NASA trials and early medical experiments at Massachusetts General Hospital. In the 1990s, hybrid robotic systems and later virtual microscopy marked major milestones, showing rapid growth in digital imaging technology.

Classification

Telepathology is classified into three modes: Static (Store and Forward), Dynamic (Real-Time), and Hybrid (Virtual).

Static: Digitized images are sent via email or internet. Simple but may miss diagnostic areas.

Dynamic: Real-time transmission of slides; accurate but costly and bandwidth-dependent.

Hybrid: Combines both systems, speeding consultations and improving patient care.

Applications

Remote diagnosis: Enables frozen-section analysis in areas without pathologists.

Education: Digital imaging enhances teaching and accuracy.

Intraoperative consultation: Assists surgeons in identifying tumor-free margins.

Distant collaboration: Provides access to expert opinions and subspecialty pathology.

Storage: Digital slides don't fade or break and can be stored indefinitely.

Disadvantages

High equipment cost, low acceptance among professionals, inconvenient slide selection, and legal and security issues (licensing, indemnity, insurance) limit implementation.

Advances

Virtual Slides: Digitized slides viewable at all magnifications.

Digital Imaging: 3D simulations enhance gross and microscopic studies.

Miniature Microscope Arrays: Capture 100 images simultaneously, producing virtual slides in minutes.

Whole-Slide Imaging: High-resolution slides viewable on any device.

Conclusion

Telepathology has evolved from early methods to advanced digital systems, becoming a vital diagnostic and research tool that enables faster, more accurate, and accessible pathology beyond the microscope.

Our Journey to the Gold Seal A Milestone in Our Quality



Achieving Joint Commission International (JCI) accreditation marks a significant milestone in our organization's ongoing journey toward excellence. This recognition reflects our strong commitment to fostering a culture of safety for both patients and employees, while continuously improving our work environment.

JCI accreditation emphasizes the highest standards of quality and patient care. Through structured processes, risk reduction strategies, and continuous monitoring, we aim to ensure safe, effective, and patient-centred services. Equally important is our focus on employee safety and engagement, recognizing that a safe and supportive workplace is essential for delivering high-quality care.

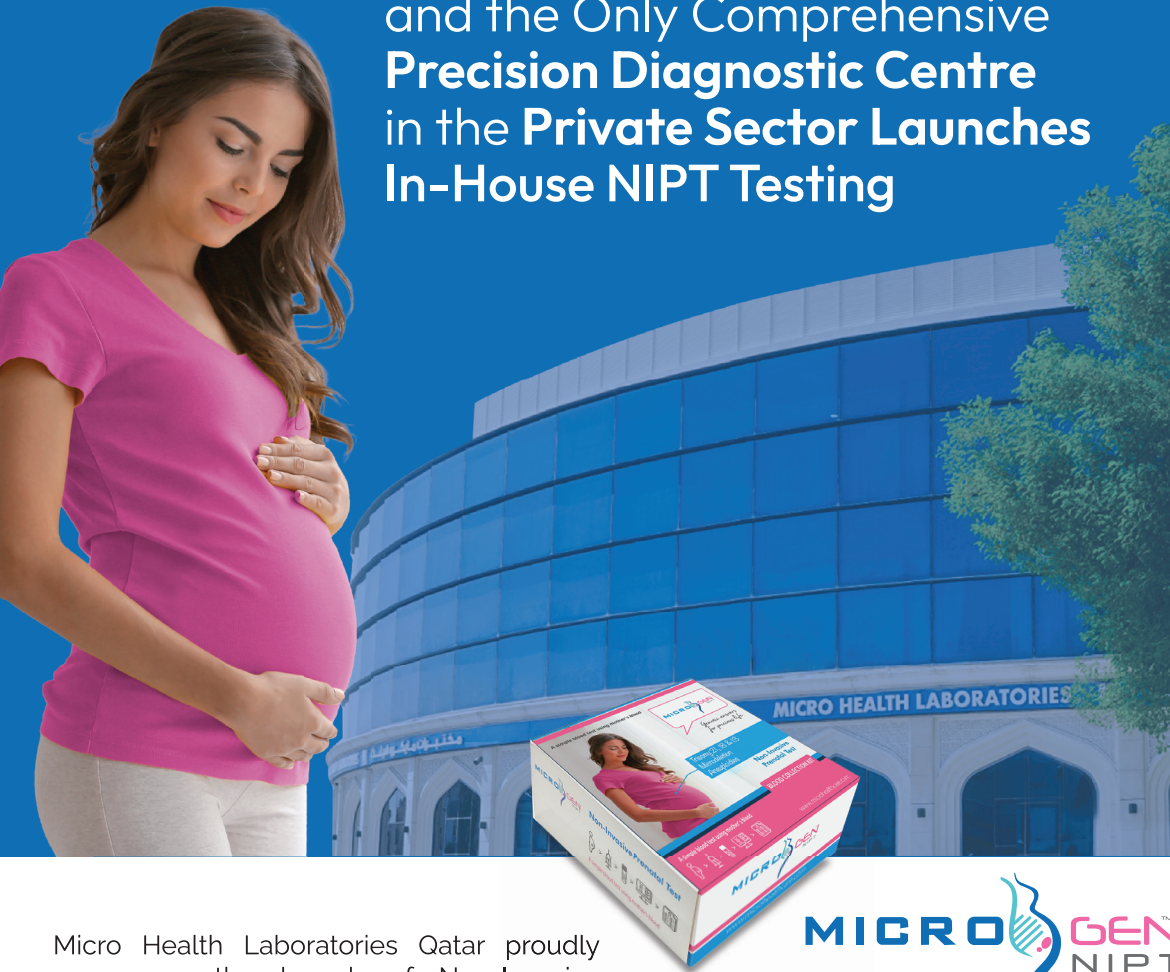
Our accreditation journey was not just about meeting a checklist; it was about transforming our culture to put safety, quality, and people first. Earning the Gold Seal is a beginning, not an end. The JCI framework keeps us in a state of continuous improvement. We are now part of a premier group of global healthcare providers committed to constantly evaluating our performance and finding new ways to elevate the patient experience.

Ansamary KL

Acting Chief of Quality Assurance



Qatar's Largest and the Only Comprehensive Precision Diagnostic Centre in the Private Sector Launches In-House NIPT Testing



Micro Health Laboratories Qatar proudly announces the launch of Non-Invasive Prenatal Testing (NIPT) as part of its in-house prenatal and genetic testing services.

This milestone represents a major step in advancing prenatal care and precision diagnostics in Qatar. NIPT is a simple maternal blood test performed from the 10th week of pregnancy, designed to analyse fragments of fetal DNA circulating in the mother's blood. The test screens for key chromosomal abnormalities including Down syndrome (Trisomy 21), Edwards syndrome (Trisomy 18), and Patau syndrome (Trisomy 13), among others.

Historically, prenatal screening involved methods such as ultrasound markers, maternal serum screening, and in some cases, invasive tests like amniocentesis or chorionic villus sampling (CVS). While these methods have served generations of parents, they come with limitations:

- Lower accuracy rates, leading to false positives or unnecessary anxiety.
- Invasive risks (in the case of amniocentesis and CVS), including a small but real chance of miscarriage.

NIPT has changed that landscape. It provides over 99% sensitivity for certain conditions, drastically reducing false positives, while eliminating the risk factor because it requires nothing more than a maternal blood sample.

By introducing NIPT testing in-house, Micro Health Laboratories ensures:

- **Reduced Turnaround Time (TAT):** Qatar's Fastest NIPT. Results released in just 4 days.
- **Accessible Pricing:** Enabling more families to benefit from advanced genetic screening.
- **Expert Oversight:** Each test conducted under the supervision of experienced genetic and laboratory professionals to ensure accuracy and reliability.

This initiative reinforces the institution's ongoing commitment to innovation, quality, and patient-centered care, aligning with the objectives of the Qatar National Vision 2030 to enhance the nation's healthcare capabilities through advanced diagnostic technology.

With the launch of in-house NIPT testing, Micro Health Laboratories Qatar continues to strengthen its position as a leader in precision diagnostics, dedicated to improving maternal and fetal health outcomes across the region.



Schedule Your
Appointment Today

6654 4369 / 5206 0407

Multi-Cancer Early Detection (MCED) Tests Enter the Spotlight

MCED tests are non-invasive blood tests (also using urine or saliva) that can screen for dozens of cancers from a single sample by detecting abnormal DNA, RNA, or protein fragments. Unlike traditional screenings such as mammograms or colonoscopies, MCED targets multiple cancer types at once.



Why It Matters

Nearly 50% of cancers have no screening options, and about 70% of cancer deaths come from these cancers. MCED could help detect disease earlier—especially among adults 65+, who account for over half of U.S. cancer diagnoses. Experts emphasize MCED is meant to supplement, not replace, existing screenings.

Current Status & Challenges

The American Cancer Society is funding research to ensure MCED works across diverse populations. Legislation such as the Nancy Gardner Sewell Medicare MCED Screening Coverage Act aims to expand coverage once FDA approval and clinical benefit are confirmed. Routine blood testing could also reduce screening disparities in underserved communities.

What Patients Should Know

MCED is not a diagnosis; positive results require follow-up testing. It may be most appropriate for adults 50+, those with risk factors, or a family history of cancer. Accuracy varies, insurance coverage is limited, and costs and guidelines are still evolving.

Expert Insight

"When there is FDA approval and clear demonstration of clinical benefit, equitable access to these technologies is imperative," said Dr. Karen Knudsen, CEO of ACS CAN.

Bottom Line

MCED tests offer a promising new approach to early cancer detection but remain in development. FDA approval and insurance coverage are key next steps. For now, MCED may be a proactive option for high-risk adults under medical guidance.

MICRO HEALTH BULLETIN

Scientific, Academic & Public Health Initiatives

At Micro Health Laboratories, scientific, academic, and public health initiatives are the heart of everything we do. Beyond accurate diagnostics, we inspire learning, drive innovation, and raise awareness that transforms communities. Empowering today's minds - we foster evidence-based practice, spark discoveries, and create a lasting impact on lives everywhere.



Creating an ecosystem for proactive and preventive healthcare. For Healthier Life, the Club promotes lifelong learning and well-being through marathons, workshops, and seminars. Members enjoy exclusive privileges, including discounted health, fitness, and wellness services, lounge access, and personalized support.

As the slogan says, it's about building healthier habits today for a stronger, healthier tomorrow, fostering community, wellness, and personal growth.



A multidisciplinary platform designed to shape the next generation of healthcare leaders. MAHER focuses on pioneering research and education, fostering innovation, improving diagnostic accuracy, advancing clinical decision-making, and empowering medical and allied health professionals to build meaningful and impactful careers.



Comprehensive educational programs that provide healthcare professionals with advanced knowledge and skills. Through expert-led lectures, interactive sessions, and workshops, CME initiatives strengthen clinical expertise and uphold high standards of patient care.

A wide range of accredited programs created to enhance professional competence. These activities include credit-based expert sessions, specialist panel discussions, case-based learning, assessments, and certifications, offered both online and on-site to ensure flexible participation.



Thoughtfully crafted educational campaigns delivered both digitally and in print, comprising:



Public-focused initiatives to raise awareness on key health issues.



A knowledge - sharing series educating the public about diagnostic tests and their importance.



Tailored Newsletter and Poster Series for healthcare professionals with timely clinical updates combining in-depth knowledge and quick references to support continuous learning focusing better decisions.

Corporate Social Responsibility (CSR) Activities

Strategic community-focused initiatives that promote preventive healthcare and well-being. CSR efforts include health awareness campaigns, outreach activities, and partnerships with organizations, reflecting MHL's commitment to making a positive social impact.

Health Tips Series
Fathima & Fathima



A regular series of evidence-based tips curated to inspire healthier lifestyles and informed wellness choices. These practical insights are designed for both individuals and communities, encouraging the adoption of sustainable health practices.



Creating Engaging podcasts led by healthcare experts, focusing on contemporary medical topics, innovations, and fresh perspectives. Available in multiple major languages, these talks are designed for both professionals and the wider public, providing ongoing education and fostering meaningful dialogue in healthcare.



Micro Health Mates is a loyalty program by Micro Health Laboratories designed to honour the invaluable contributions of QCHP-licensed healthcare practitioners in Qatar. Offering 50% discounts on all laboratory investigations and 20% discounts on radiology services for practitioners and their immediate family members (parents, spouses, and children), the program reflects our commitment to supporting those who dedicate their lives to caring for others. By making our advanced diagnostic services more accessible and affordable, Micro Health Mates serves as a token of appreciation for the dedication, compassion, and service of Qatar's healthcare community.



An intellectual sanctuary designed to inspire curiosity, creativity, and collaboration. The Lounge brings together professionals and knowledge seekers through engaging activities such as book clubs, art and science showcases, expert talks, and interactive gatherings. With thoughtfully designed, accessible, and aesthetically appealing spaces, it nurtures a culture of shared learning, interdisciplinary dialogue, and personal growth-shaping a vibrant community of thinkers and innovators.

Fat, Fractures, and the Future: Reinventing DEXA

Step on a scale, and you get a number. Check your BMI, and you get a category. But these simple tools only scratch the surface of what's happening inside your body. What if you could see the fat that truly affects your health, the muscle that supports your strength, and the condition of your bones - all in one scan?

Enter the DEXA scan. Once known mainly for measuring bone density, this evolving technology is emerging as a powerful tool for comprehensive health analysis.

What Is DEXA?

DEXA stands for Dual-Energy X-ray Absorptiometry. It works by sending two low-dose X-ray beams at different energy levels through your body. Different tissues - bone, lean mass, and fat - absorb the beams in different ways. A detector picks up what passes through, and software translates this into detailed images and data.

Unlike BMI or bioelectrical impedance, DEXA provides precise, compartmentalized measurements of body composition, offering a much clearer picture of your internal health.

Fat: More Than Just a Number

BMI has long been used to assess obesity and related health risks. But it doesn't distinguish between fat and muscle. A muscular person might have a high BMI, while someone with normal weight could still carry high levels of visceral fat-the dangerous kind that wraps around organs and increases the risk of heart disease, diabetes, and metabolic issues.

DEXA goes beyond general fat measurement. It distinguishes between subcutaneous fat (beneath the skin) and visceral fat, offering a more accurate understanding of your health risks. This precision allows for better health tracking and more effective lifestyle interventions.

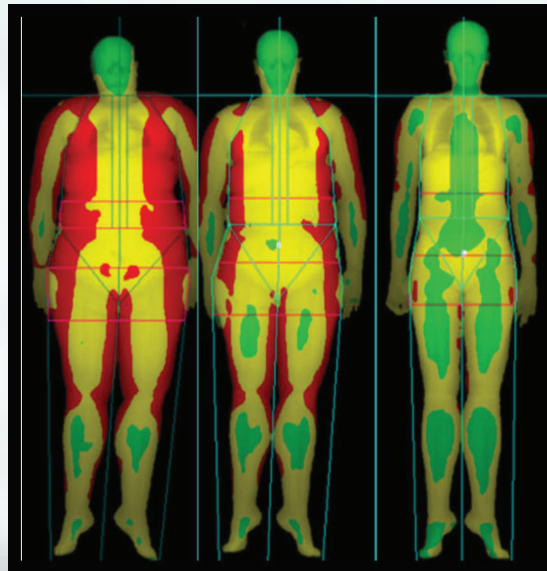
Bone Health: Preventing Fractures Before They Happen

While DEXA is expanding in scope, it remains the gold standard for measuring bone mineral density (BMD). It provides two important scores: the T-score, which compares your BMD to that of a young adult, and the Z-score, which compares it to someone your age and sex. These numbers help detect osteopenia and osteoporosis, key indicators of fracture risk,



Jaseela Hyder
Radiology Department

Regular DEXA screenings are recommended for postmenopausal women, older adults, and those with risk factors like long-term steroid use or family history of bone disease. DEXA also helps track treatment progress, allowing healthcare providers to adjust medication or lifestyle changes over time.



The Future: Smarter, Smaller, and More Personalized

The next chapter in DEXA's evolution is driven by artificial intelligence (AI). AI-powered software can analyze scan data faster and more accurately, identifying subtle patterns

that may signal early-stage bone loss or muscle deterioration. This can lead to earlier interventions and more personalized treatment plans.

At the same time, advancements are making DEXA more accessible. Traditional machines are large and costly, often confined to hospitals. But compact and portable models are emerging, potentially bringing DEXA to primary care settings, remote clinics, and even home-based care. This could make DEXA scans as routine as blood pressure checks.

Integrating DEXA with Digital Health

As healthcare becomes more data-driven, DEXA will play a key role in a connected health ecosystem. When combined with information from wearable devices, electronic health records, and even genetic data, DEXA results can contribute to a dynamic, personalized health profile.

This integration supports predictive health models, enabling recommendations for diet, exercise, and preventive care tailored to the individual. Instead of reacting to disease, patients and providers can anticipate and prevent it.



Booking

Your Medical Imaging/Radiology Test

For appointments or more information, **please contact: +974 5147 6812**. Our staff will assist you with scheduling and provide detailed instructions to help you prepare for your scan.



Free Transportation

To & From >> Micro Health Laboratories

For your convenience, we offer free transportation services to and from our facility. Experience hassle-free visits for all your diagnostic needs. To arrange transportation,

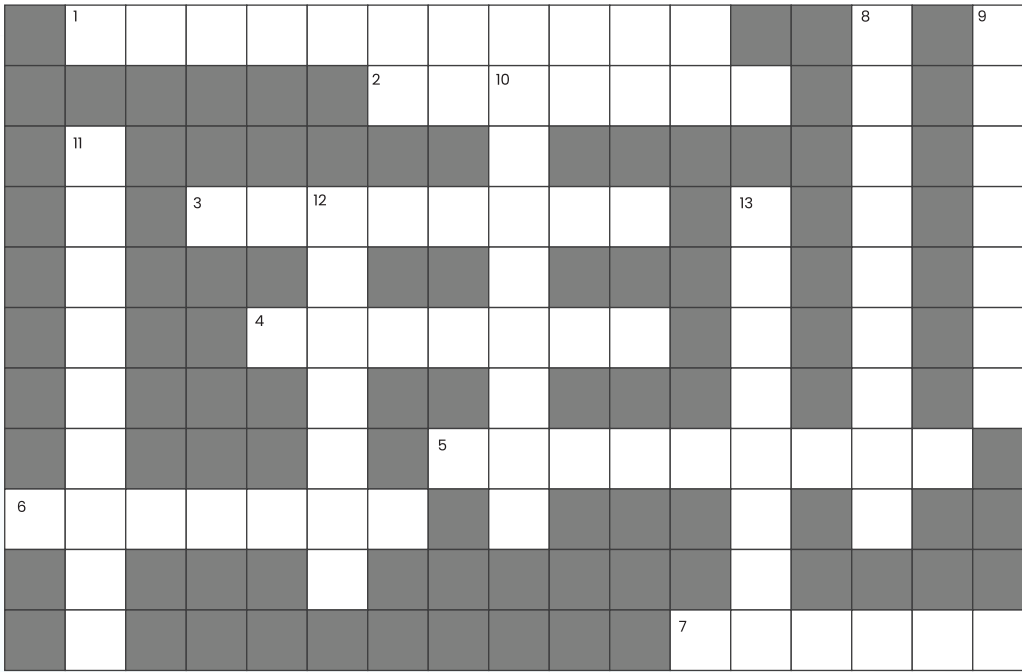
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Brain Lab



Message from the Editorial Board

As we conclude the inaugural edition of the Micro Health Bulletin, we extend our sincere appreciation to all contributors whose efforts, expertise, and creativity have brought this publication to fruition. This bulletin has been envisioned as a collective platform - one that informs, inspires, and unites individuals dedicated to advancing healthcare.

The Micro Health Bulletin will continue to be published quarterly, featuring insightful articles, thought pieces, and milestone highlights that reflect our continuous pursuit of excellence in Precision Diagnostics and healthcare innovation. Each edition aims to serve not only as a source of information but also as a forum for reflection, collaboration, and shared learning.

We invite our readers to actively participate in shaping future editions by sharing articles, expert opinions, or ideas aligned with the bulletin's vision.

Please forward your contributions and feedback to bulletin@microhealthcare.com. Your continued engagement will help strengthen the Micro Health Bulletin as a trusted voice of progress and innovation in healthcare.

Editorial Board,
Micro Health Bulletin

ACROSS

1. Abnormally fast heart rate
2. Free from living microorganisms
3. Protective state after vaccination or infection
4. Treatment that lacks an active ingredient
5. Identification of a disease from signs and tests
6. Body's chemical messenger that lowers blood glucose
7. Low hemoglobin condition

DOWN

8. Inflammation of the liver
9. Excessive body fat affecting health
10. Rapid spread of disease in a community
11. Common viral infection of the respiratory system
12. Disease transmitted by Anopheles mosquitoes
13. Microbe that can cause disease

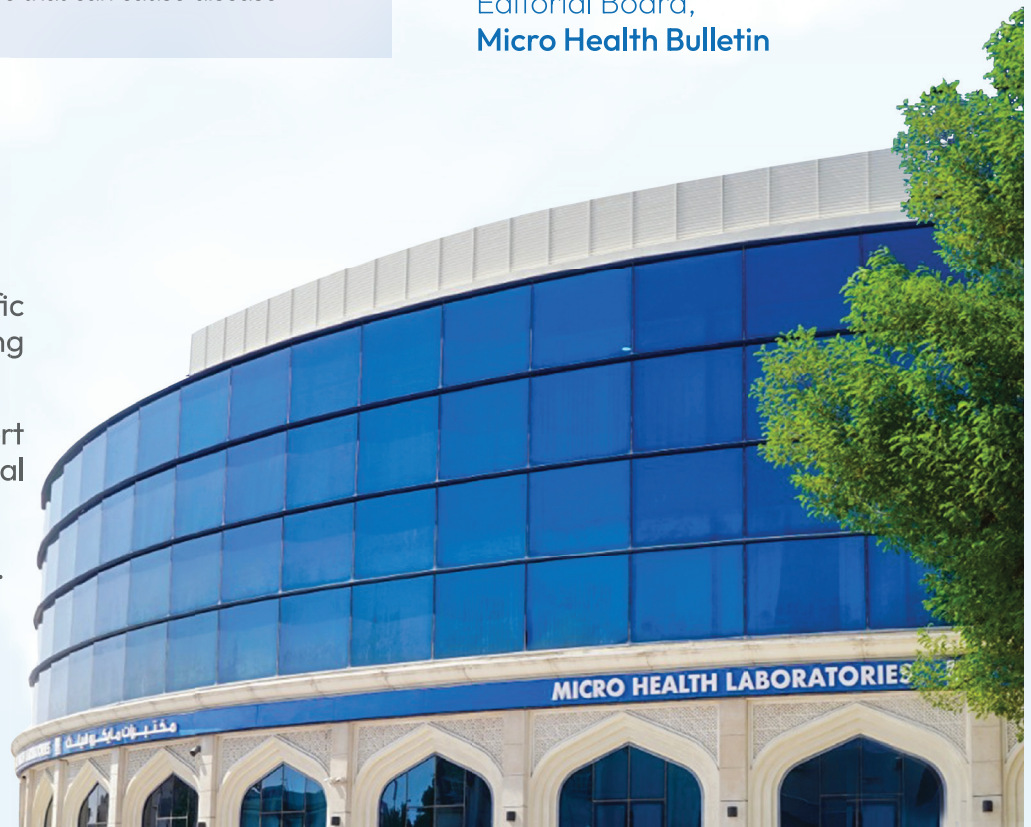
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Stay ahead.*

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