



## 2023 CLINICAL DIAGNOSTIC IMAGING PROGRAMS

### Non-Invasive Scanning Innovations & Medical Reporting

ROBERT L. BARD, MD, DABR, FASLMS, FAIUM  
Director

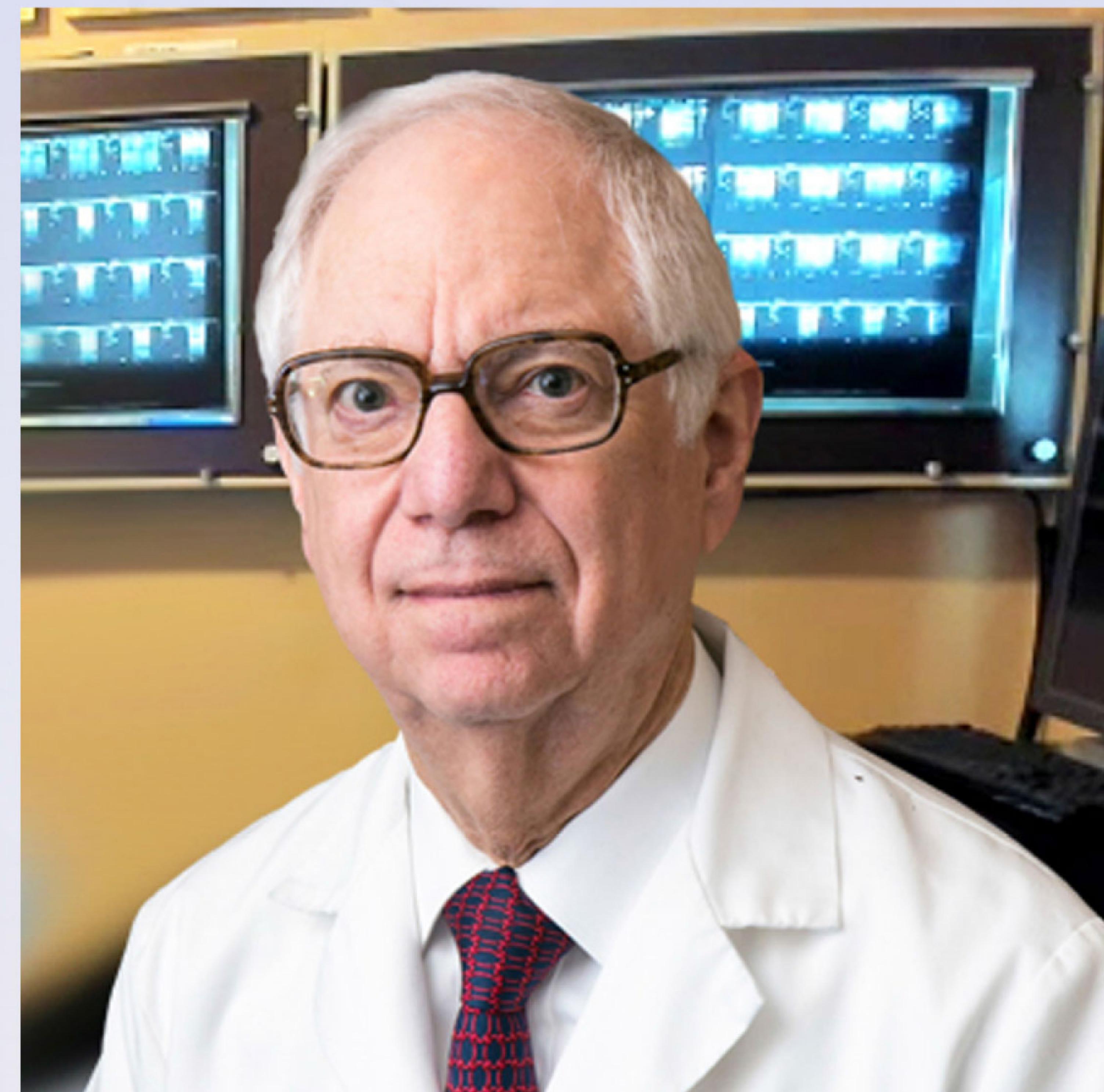
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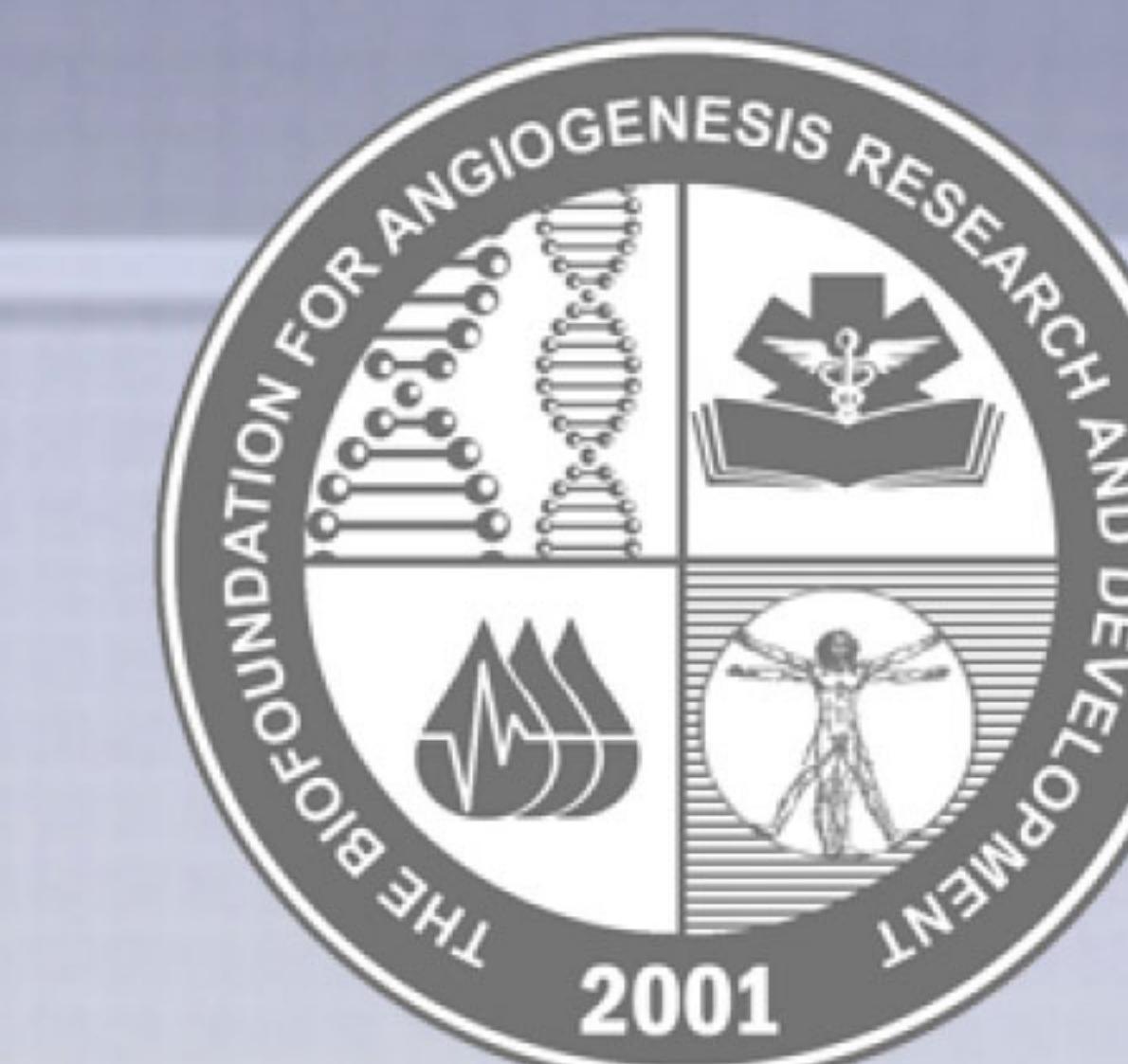
# NON-INVASIVE DIAGNOSTIC IMAGING

CLINICAL SCANNING INNOVATIONS & MEDICAL REPORTING

## Leadership in Medical Diagnostic Imaging



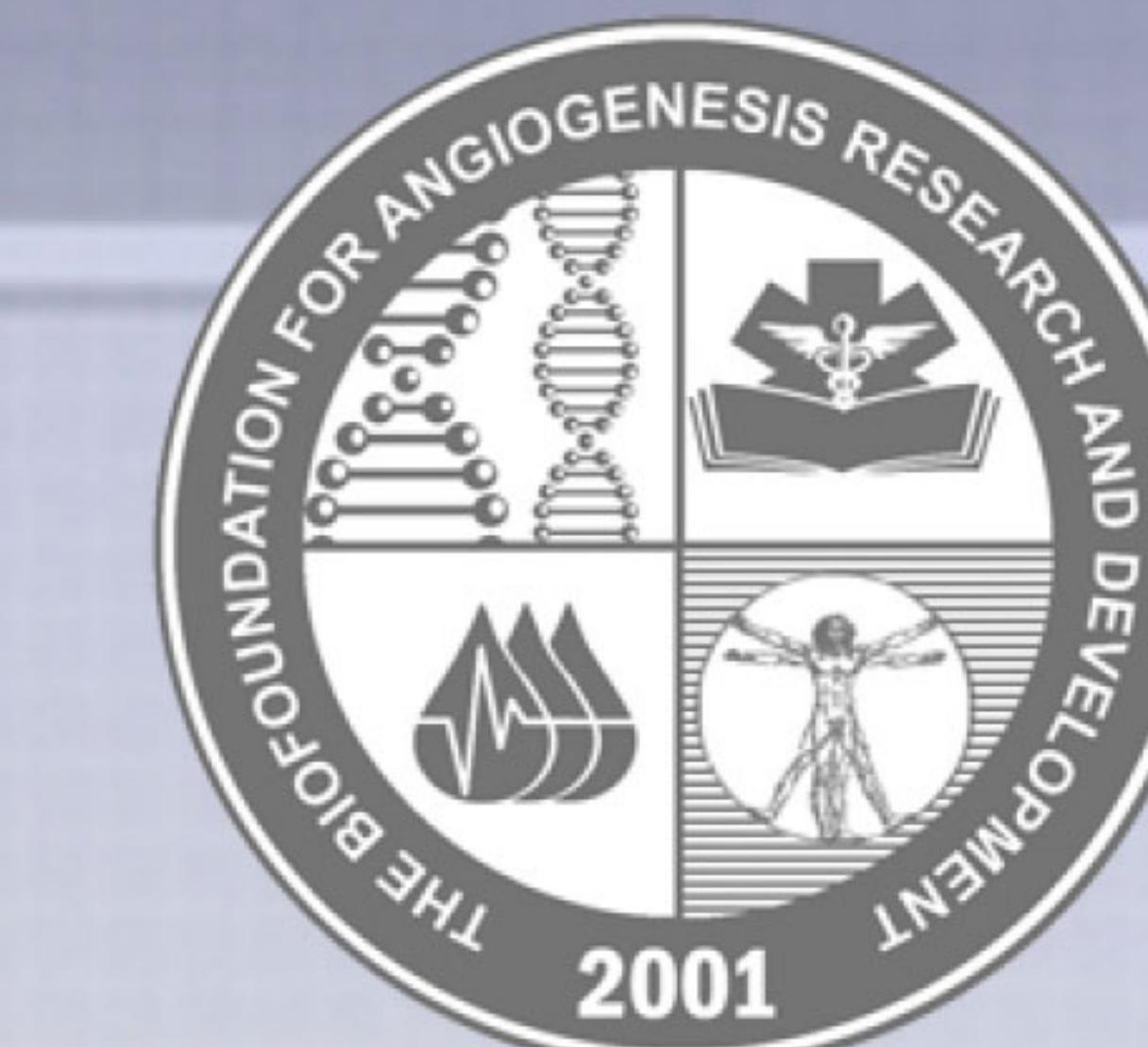
Robert L. Bard, MD, DABR, FAIUM, FASLMS is internationally recognized as a leader in the field of 21st Century 3-D ULTRASONOGRAPHIC VOLUMETRIC DOPPLER IMAGING. Dr. Bard specializes in advanced detection of cancers in numerous organs including the breast, prostate, skin, thyroid, melanoma and other areas. He has served in the military, been the head Radiologist at several leading hospitals, and published a multitude of textbooks and scientific papers. Holding medical licenses in several states, he holds Board certification from the American Board of Radiology (1974) and Fellowship in the American Society of Lasers in Medicine and Surgery (2014).



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## CLINICAL SCANNING INNOVATIONS & MEDICAL REPORTING

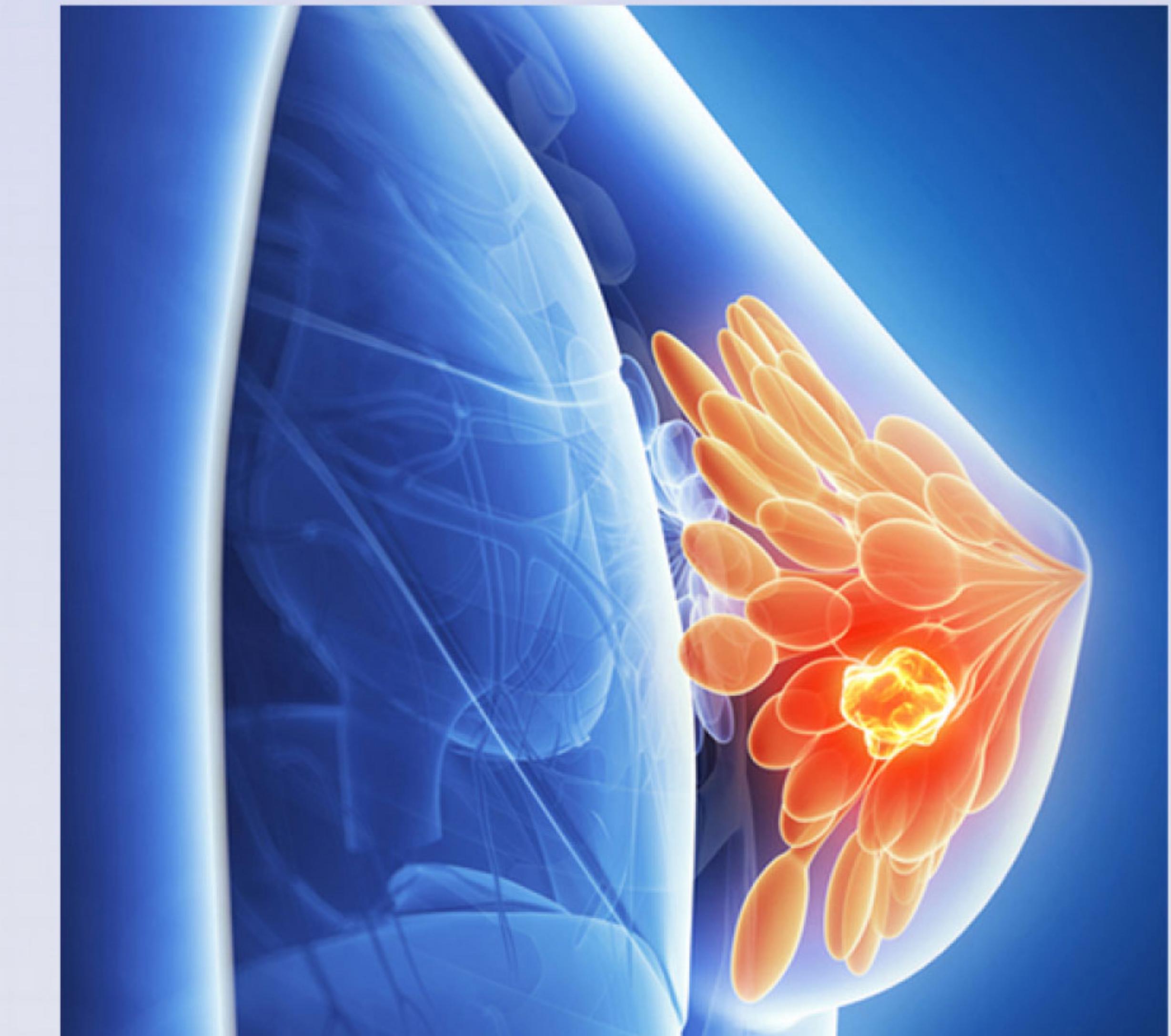
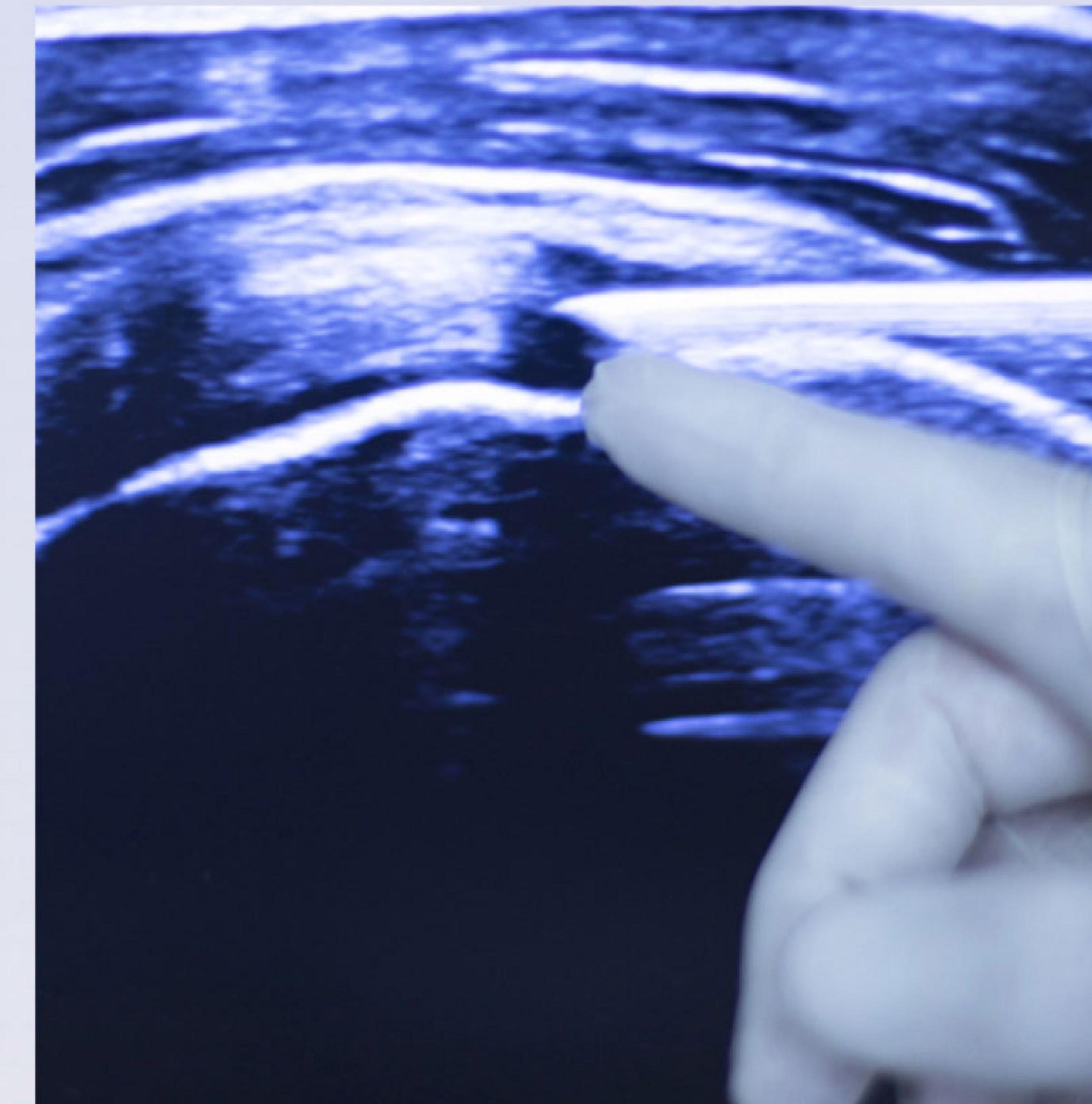
- Clinical Imaging: Patient Care
- Validation Imaging: Private Standardized Testing of Therapeutic Efficacy
- IRB-Based Research: Co-Principal Investigator in Clinical Trials
- Reporting: Quantitative Data Gathering
- Technology Integration: Device Collaboration / Compatibility
- Diagnostic Imaging Advisory: Tech Assessment, Recommendations & Training
- Exploratory Review of Non-Invasive Therapeutic Modalities



# NON-INVASIVE DIAGNOSTIC IMAGING

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## Clinical Imaging: Patient Care



The Bard Diagnostic Imaging Center has been leading in the research and development of medical imaging for over 35 years. Our team has trained in the use of advanced protocols with a team of specialists from 11 countries, expanding the use of scanning protocols for a wide set of diagnostic applications.



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## Clinical Imaging: Patient Care

### NONINVASIVE CANCER IMAGING

Dr. Bard and his team goes as far as it takes to diagnose your condition with high resolution imaging technologies and ground breaking treatment options. As a pioneer in non-invasive image guided treatments in prostate, breast, thyroid, melanoma and skin cancer we have optimized minimally invasive procedures to limit damage to tissue adjacent to the tumor by 3D tumor margin mapping. Analysis of tumor spread may be performed using tiny needles instead of major surgery.

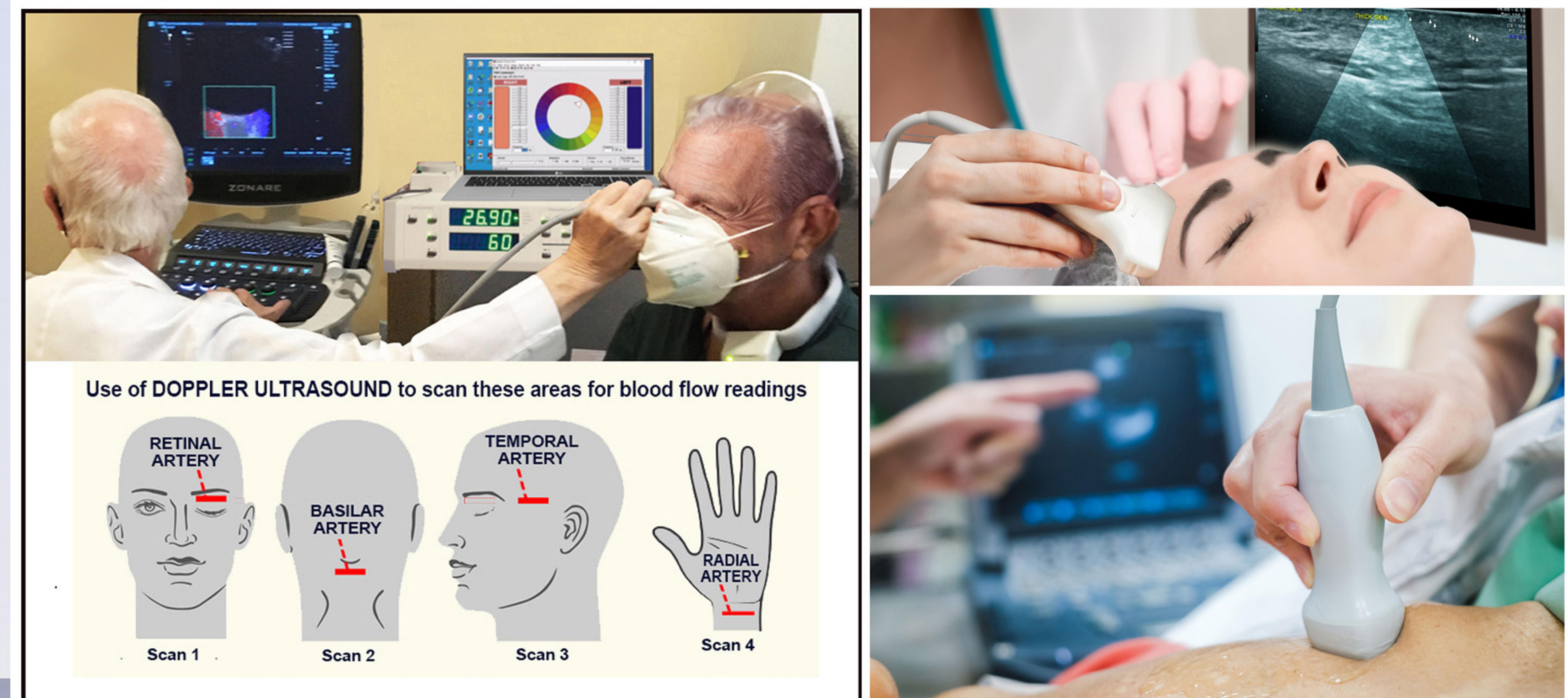


# NON-INVASIVE DIAGNOSTIC IMAGING

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## Validation Imaging: Private Standardized Testing of Therapeutic Efficacy

Dr. Robert Bard offers his diagnostic and strategic leadership in clinical trials, therapeutic testing & efficacy reviews. He offers advanced analytical support and confirmations through the use of quantitative and non-invasive imaging.



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## Portable SCAN & TREAT Innovations

From ATHLETES to FIRST RESPONDERS to on-site EMERGENCY CALLS, Dr. Bard offers many options for real-time SCAN & TREAT resources.

From portable medical-grade ultrasounds that are compatible with neurostimulation devices, Dr. Bard has expanded options for patient care within the more common MSK injuries.



Real time ultrasound monitoring of sports injuries under treatment



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## Portable SCAN & TREAT Innovations

Bard Diagnostic Imaging brings you the most advanced upgrades in portable scanning technology. R.E.D.S. - Remote Emergency Diagnostic Solutions completes your emergency response arsenal with state of the art portable Advanced Ultrasonic & Doppler Technology. Whether on land, air, sea or space, R.E.D.S. is designed to provide accurate ER lab response to quickly (within seconds) scan & identify injuries on location and IN REAL TIME!



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## Portable SCAN & TREAT Innovations

### FIELD IMAGING IN PROFESSIONAL SPORTS:

Virtualization is a perfect marriage between patient care and digital medicine, where DIGITAL ULTRASOUND responds to the future of emergency diagnostics. It has the ability to respond in REAL TIME and is completely safe and non-invasive. Portable models have been designed easy to learn with a remote trainer for field or in-clinic use.



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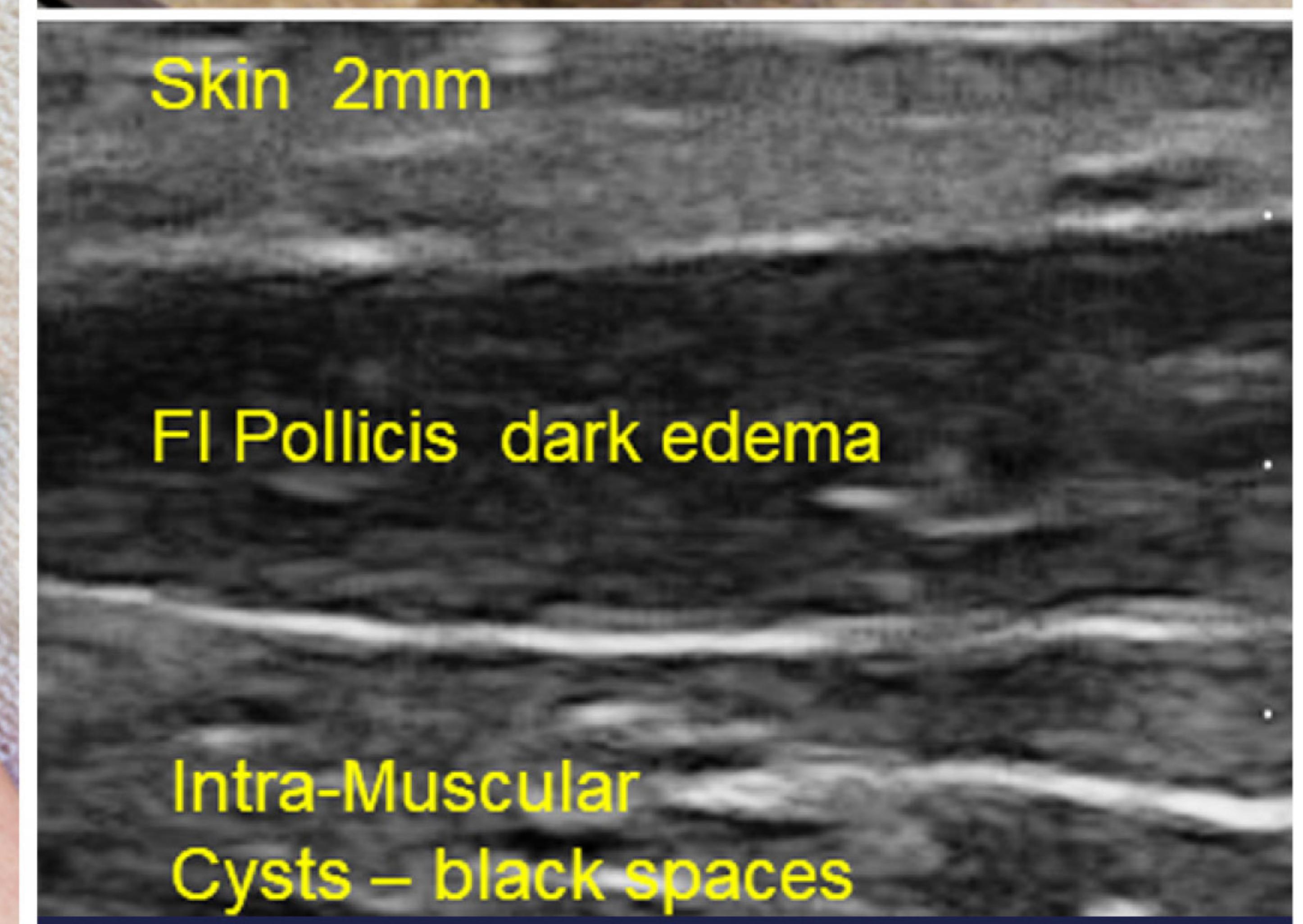
## Portable SCAN & TREAT Innovations

### IMPROVING RECOVERY TIME

The regenerative properties of neurostimulation technologies alongside the scanning capabilities of 3D Blood Flow Ultrasound Imaging offers a proven and sensible solution for post-surgical healing. Visually monitoring therapeutic treatments allows us to identify and properly pace the healing process.



Skin 2mm



FI Pollicis dark edema

Intra-Muscular  
Cysts – black spaces

Post-surgical care: Neurostimulation for optimal recovery time



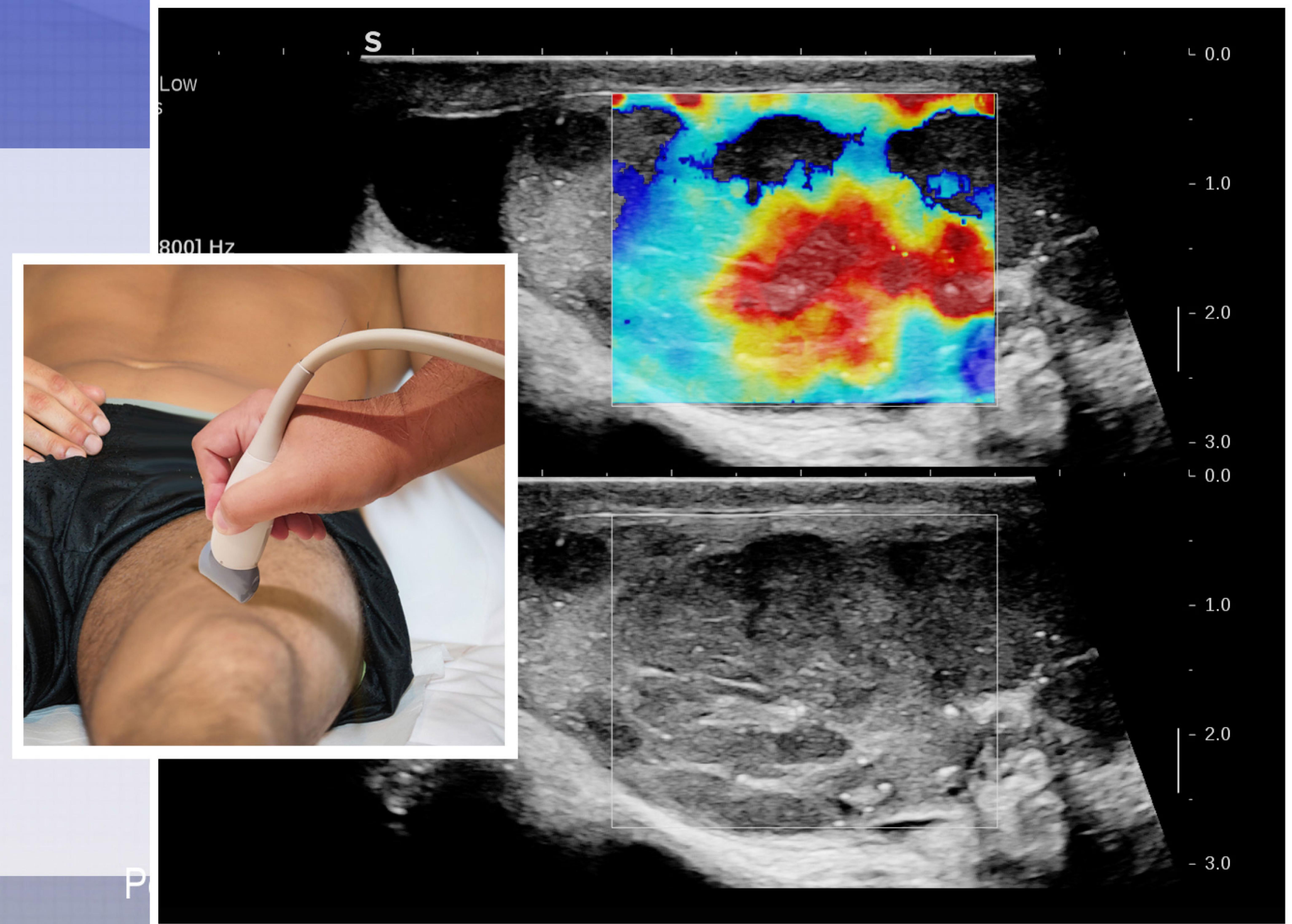
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## Portable SCAN & TREAT Innovations

### STAYING CURRENT WITH ELASTOGRAPHY:

Doppler Ultrasound with the Elastogram feature is one of the latest advancements that Dr. Bard recognizes to offer significant scanning advantage for musculoskeletal and other complex scanning needs. Elastography maps the elastic properties and stiffness of soft tissue, offering diagnostic information about the presence or status of disease.



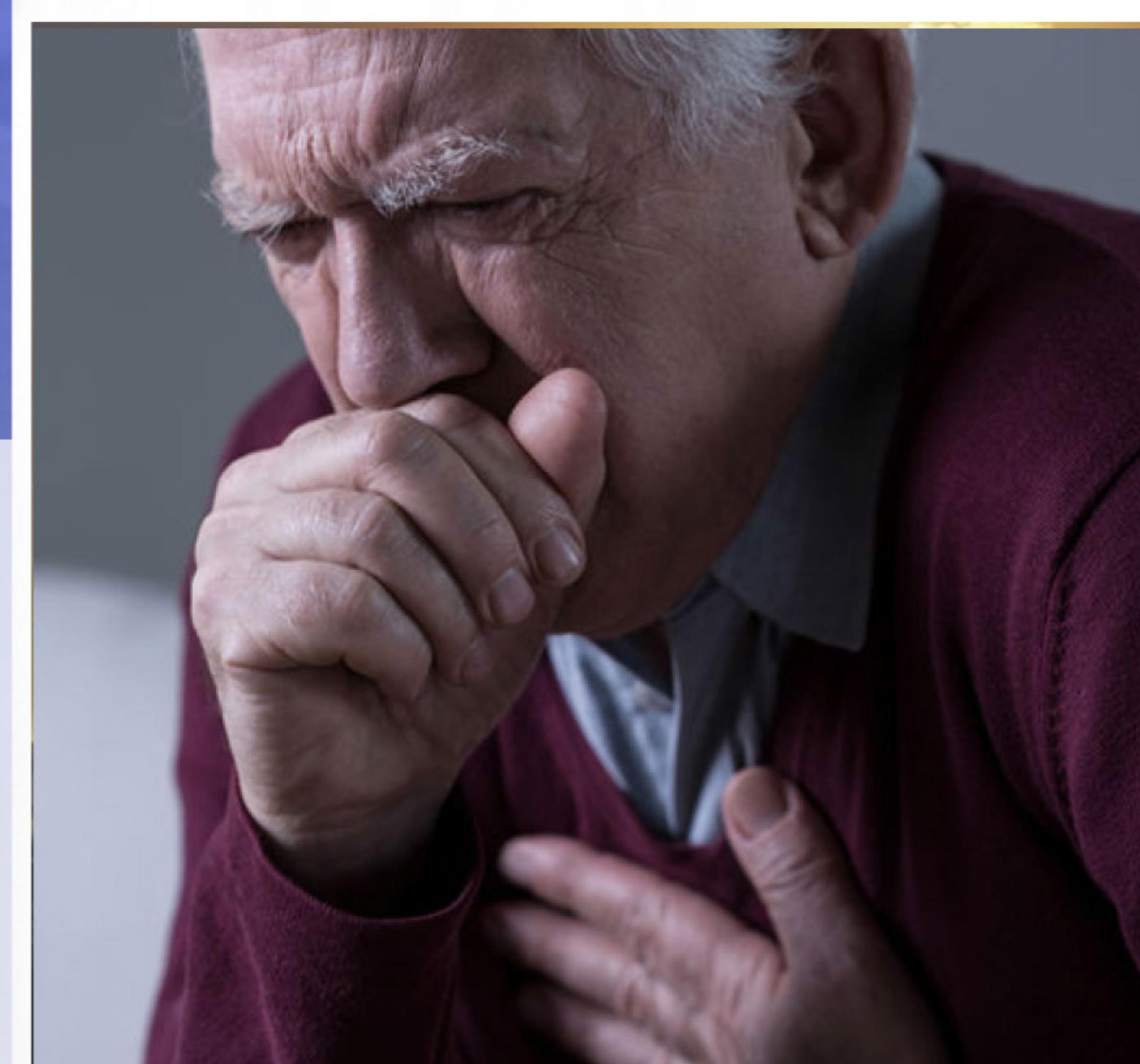
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## Portable SCAN & TREAT Innovations

### FIRST RESPONDERS CANCER RESOURCE:

Formerly called the 9/11 CancerScan program, Dr. Bard forged a joint alliance between clinical professionals and first responder groups dedicated to bringing pro-active screening and monitoring to active and retired members of the fire service. This program is known industrywide as “GET CHECKED NOW!”.



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## Technology Integration: Device Collaboration / Compatibility

The modern NON-INVASIVE therapeutic movement is comprised of many existing advancements including near-infrared & cold laser, sound waves, pulsed electromagnetic fields and other electronic emissions to collect vital information on a patient's state of health. Today, we can rely on ultrasound imaging capabilities to track and monitor the compatibility of all therapeutic technologies to work together.



# NON-INVASIVE DIAGNOSTIC IMAGING

CLINICAL SCANNING INNOVATIONS & MEDICAL REPORTING

## Diagnostic Imaging Advisory: Clinical Partnerships

As an imaging specialist, Dr. Robert Bard supports many partnerships within the medical community. His 35+ years in practice has connected him with medical visionaries and leaders far and wide under the spirit of patient care or exploratory research. His expansive network continues to attract local, national and global exchange where his digital ultrasound output has become the ideal collaboration technology for today's web based communication platforms.



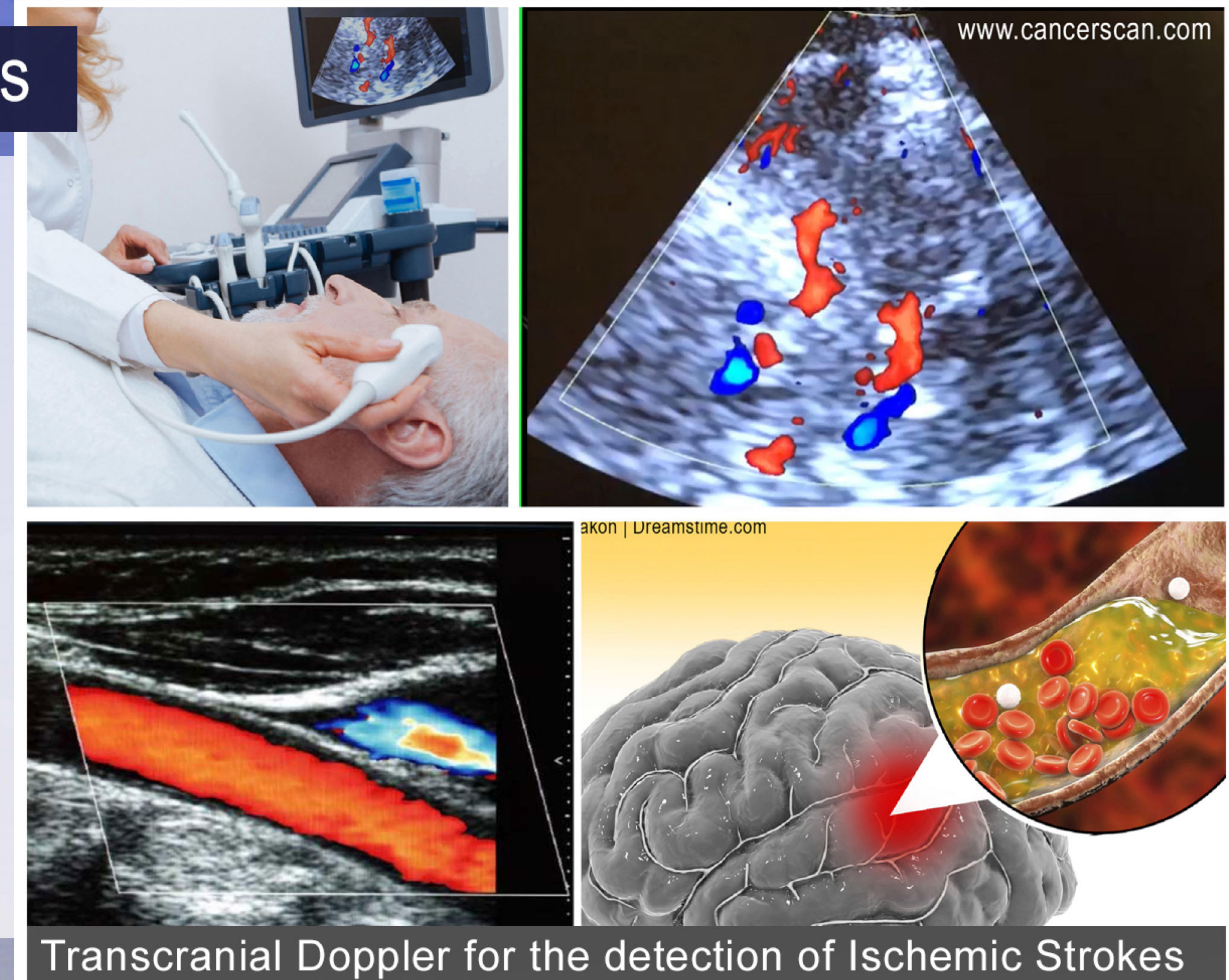
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## Diagnostic Imaging Advisory: Clinical Partnerships

### VERIFYING SIGNS OF COVID-19 STROKE THROUGH IMAGING

Early detection and prevention of arterial and venous disease is key to minimizing the effects of arterial obstruction & hemorrhage, brain aneurysms, and strokes from venous thrombosis. Devastating strokes in the Covid-19 era occur in the younger age group and underserved populations who are at higher risk.



Transcranial Doppler for the detection of Ischemic Strokes



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## Diagnostic Imaging Advisory: Clinical Partnerships

### PREOP IMAGING

Dr. Bard continues to offer training in pre-procedural scanning for the clinical aesthetic community as a standard safety protocol for both the practitioner and the patient. Anatomic variants may be observed and avoided. Thanks to the additional safety benefits of clinical imaging, treatment professionals express added confidence in the pre-operative & post-op areas.

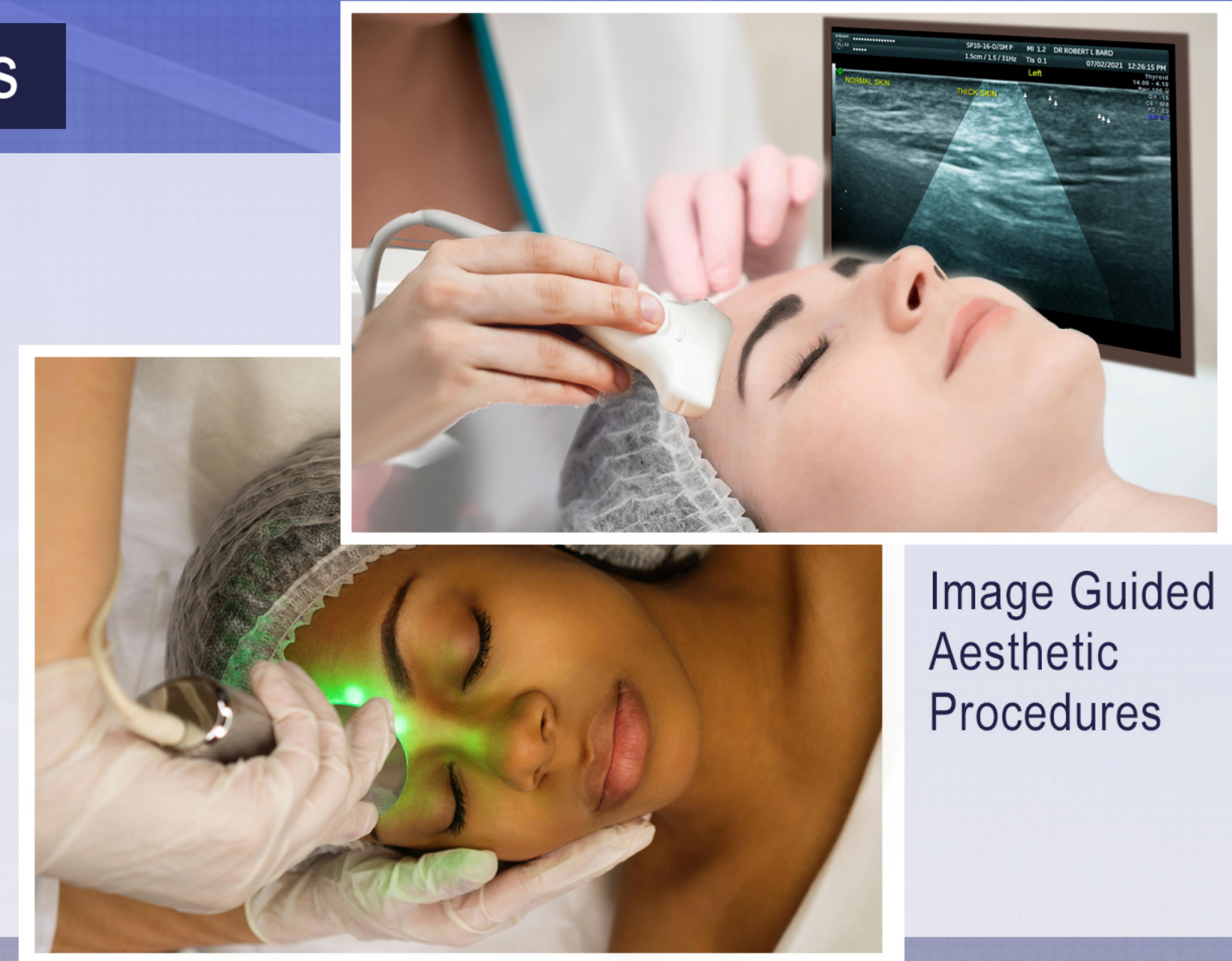


Image Guided  
Aesthetic  
Procedures



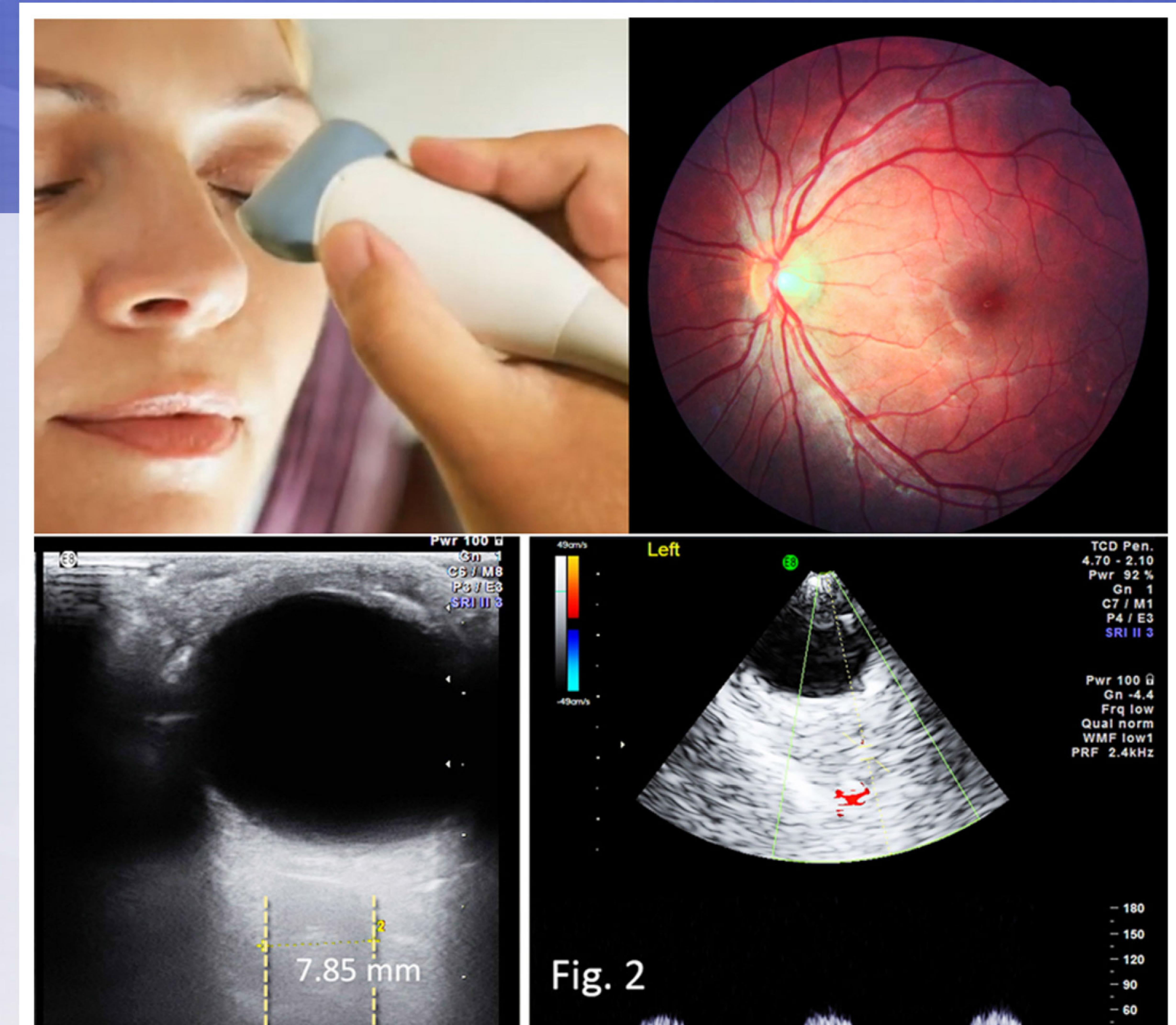
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## Diagnostic Imaging Advisory: Clinical Partnerships

### OPTICAL IMAGING & COGNITIVE TESTING

In collaboration with the Bard Diagnostic Imaging (NYC), diagnostic imaging specialists and neuropsychologists are now in the process of assembling a set of multi-modality diagnostic protocols and specific physiological scan points for the study of **COGNITIVE DISORDERS**. This review covers the establishment of an imaging base line and a formal analysis of hemodynamics as measurable evidence of given therapeutic intervention.



Concussion & Cognitive Testing through Optical Scans



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## Recent NEWS

2023- Dr.'Bard officially established a research program for the pro-athletic community comprised of non-invasive "SCAN & TREAT" innovations. As athletes are most prone to physical injuries, this program is dedicated to covering specific disorders including Concussion, MSK Injuries and Neurological issues.



"Collaborating with some of the top performance experts and innovative clinical research teams to validate therapeutic efficacy allows me to truly mobilize real-time imaging to the next level, and to support the advancement of non-invasive medical science."

- Dr. Robert Bard



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## TeleMed Scans (Remote Collaboration)

One of the current updates in patient care is the use of web-based technology to expand doctor-patient care and communication - what is known as **TELEMEDICINE**. From multi-panel research programs to the standard office visit, sharing scans online in real-time through video conferencing has become the next game-changer in medical collaboration.





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