

8-Channel Neurovascular Array

MEDRAD MR

For GE Signa® 1.5T
Excite™ 8-Channel
Phased Array System



*“Unsurpassed signal,
coverage, uniformity,
and versatility makes
this the best
neurovascular coil
on the market.”*

*Andrew Osiason, M.D.
Hackensack Radiology Group*

MEDRAD®
Performance. For life.™

"The brain images are extraordinarily homogeneous and high in signal to noise."

*Dr. Lawrence Tanenbaum
Edison Imaging Associates*

MRI Solutions You Trust

MEDRAD Leading Image™ Coils

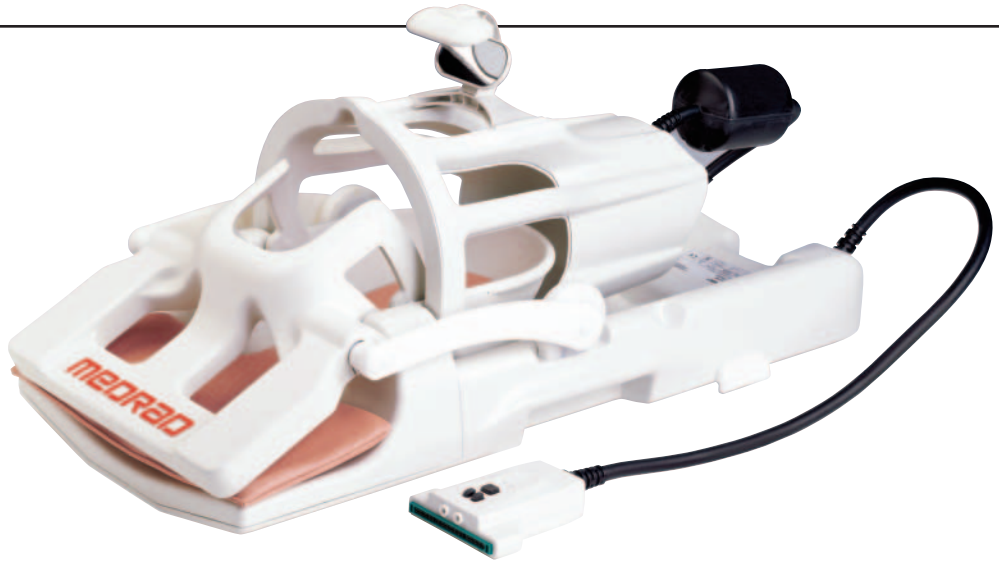
The 8-Channel Neurovascular Array is a member of the MEDRAD Leading Image Coils family of products. MEDRAD Leading Image Coils are premier coils that provide outstanding diagnostic information for optimum patient treatment. Each provides the degree of performance and reliability that has made MEDRAD a worldwide leader.

"Finally, a neurovascular coil that takes full advantage of GE's 8-channel Excite technology without any compromises. Bravo!"

*A. Joseph Borelli, Jr., M.D.
MRI at Belfair*



Performance. For life. Since 1964, MEDRAD has been developing products that clinicians worldwide rely on to provide outstanding performance every time they're used. Performance that helps physicians diagnose patients more accurately and, ultimately, deliver quality patient care. You will find that same level of performance – along with the high level of customer support you've come to expect from MEDRAD – with the new 8-Channel Neurovascular Array.



MEDRAD NVA8: The diagnosis is clear...

Exceptional SNR and Homogeneity for Superior Image Quality

- Advanced 8-channel phased array architecture
- Coverage from vertex of skull to the aortic arch
- Superior SNR in the head and neck sections
- Compatible with current and advanced clinical sequences including:
 - Parallel Imaging
 - EPI perfusion and diffusion
 - Single and multi-voxel spectroscopy

- Outstanding performance in numerous applications:

- High resolution brain imaging
- Vascular MRA brain and neck
- C-Spine

Designed with Operator and Patient Comfort in Mind

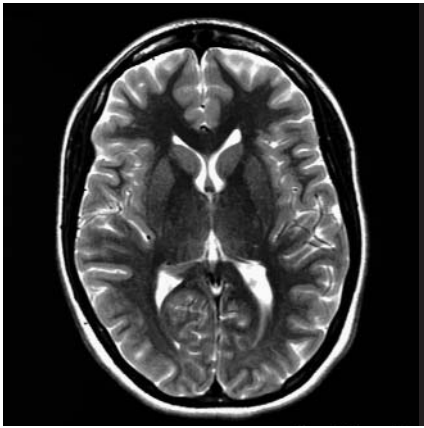
- Intuitive configuration file selection
- Ergonomic design
- Unique open architecture to minimize claustrophobic reactions
- Pivoting anterior paddle to accommodate a wide variety of patient physiques

Backed by MEDRAD reliability, support and service

- Legendary product reliability
- Unmatched after-sales support
- Knowledgeable and reliable technical service
- Ask about MEDRAD's Preventive Maintenance™ Programs and Extended Warranties

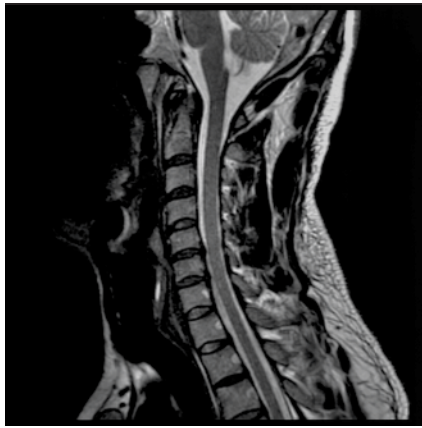


Image Courtesy of South Jersey Radiology



Axial FRFSE SCIC applied TE 93.3/Ef, TR 4400, 384x256 5.0thk/1.0ov 24x24FOV

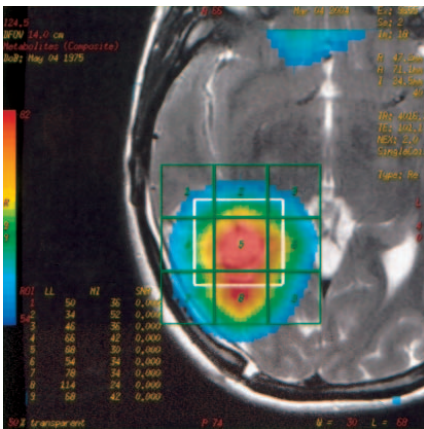
Image Courtesy of Celebration Health



Sagittal FSE TE 113.2/Ef, TR 3000, 384x256 3.5thk/0.5sp 22x22 FOV

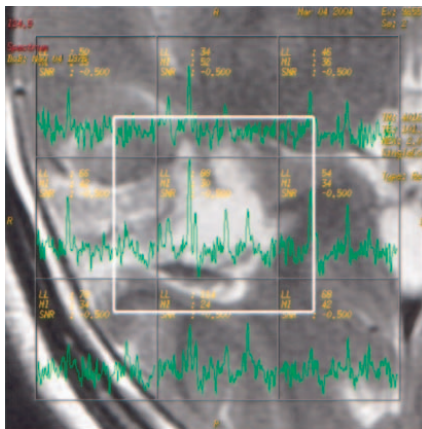


Image courtesy of Edison Imaging Associates



Choline map in case of residual tumor

Image courtesy of Edison Imaging Associates



3D CSI study demonstrates elevated choline metabolites consistent with residual tumor

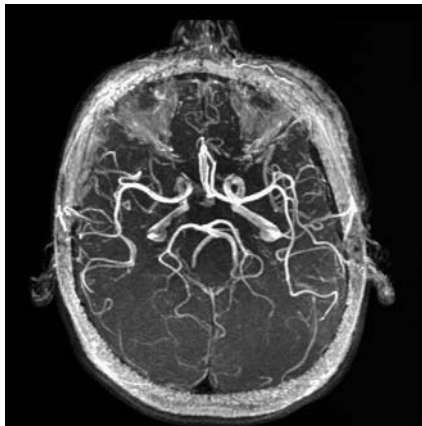
“The MRA’s have darker backgrounds, sharper edges, and lumens have higher signal to noise.”
Alfio K. Pennisi, M.D.
South Jersey
Radiology Associates

Image Courtesy of South Jersey Radiology



Coronal Contrast Enhanced MRA (Utilizing elliptical centric K-Space filling)
TE 1.6/Fr, TR 6.7, Flip 45, 320x256 1.2thk/-0.6ov 32x19.2 FOV

Image Courtesy of UPMC North Hills



Axial Collapsed view of Circle of Willis
TE 6.5/Fr, TR 40, Flip 20, 256x224 1.4thk/-0.7sp 24x24 FOV



“For our organization, coils with an open architecture design are a key to reducing our cancellation rate due to patient anxiety.”

Gregg Daversa
Director, Quality Improvement, Insight Health Corp.

Compatibility

GE Excite™ 1.5T

Catalog Number

M64NVA8 (normal field polarity)

M64NVA8-RP (reversed field polarity)

Applications

Complete MR imaging of the head, soft tissue neck, cervical and upper thoracic regions

Coil Design

Quadrature Phased Array

Coil Dimensions

34.0" L x 15.5" W x 16.0" H

(86,4 cm L x 39,4 cm W x 40,6 cm H)

29.5 lbs. (13,3 kg)

Sensitive Volume

Sagittal: 44 cm

Axial: 26 cm

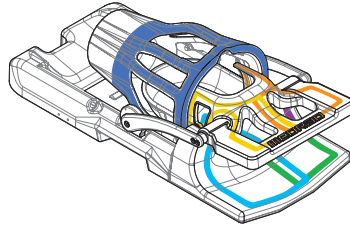
Coronal: 26 cm

Warranty

Product is warranted to be free from defects in materials and workmanship for a period of twenty-four months from date of shipment. Please see the published warranty for details.

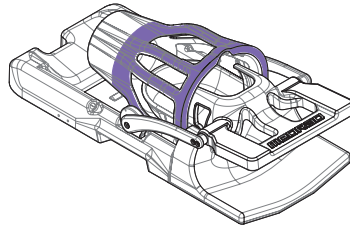
Coil Configurations

MEDRAD NVPA8 (Neurovascular Phased Array)



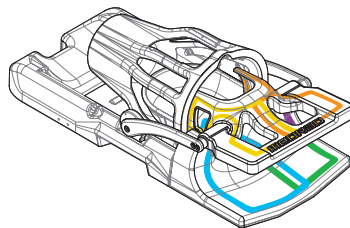
- Configuration File will activate entire Array
- May be used for all types of Brain and Neck Imaging
- S/I FOV 44 cm (maximum)

MEDRAD HRBRN8 (High Resolution Brain)



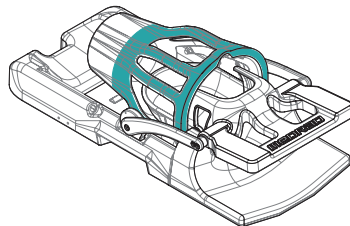
- Configuration File will activate only the Head Coil Section of the Array
- May be used for Echo Planar Imaging (EPI)
- Use configuration when imaging the Brain for high resolution
- Compatible with all imaging sequences
- A/P and R/L FOV 26 cm (maximum)

MEDRAD VNECK8 (Volume Neck)



- Configuration File will activate the Cervical Spine and Anterior Paddle coil elements of the Array
- May be used for all types of Neck Imaging
- S/I FOV 24 cm (maximum)
- R/L FOV 30 cm (maximum)

MEDRAD SPECTRO8 (Spectroscopy)



- Configuration File will activate the Head Coil Section of the Array
- Optimized for single and multi-voxel Spectroscopy imaging of the brain
- A/P and R/L FOV 26 cm (maximum)

MEDRAD reserves the right to modify the specifications and features described herein, or discontinue manufacture of the product described at any time without prior notice or obligation. Please contact your authorized MEDRAD representative for the most current information.

MEDRAD, Inc. is ISO 9001/ISO 13485 Certified.

MEDRAD is a federally registered trademark and Leading Image, Performance, For life, and Preventive Maintenance are trademarks of MEDRAD, Inc. U.S.A.



© 2005 MEDRAD, Inc. All Rights Reserved.

NVA8 NA BA 202611 Rev. A



The Malcolm Baldrige National Quality Award is our nation's premier award for performance excellence and quality achievement. Established in 1987 and named after the former Secretary of Commerce, the Baldrige Award recognizes exemplary achievements in seven areas: leadership, strategic planning, customer and market focus, measurement, analysis and knowledge management, human resource focus, process management and business results. The U.S. Commerce Department's National Institute of Standards and Technology (NIST) manages the Baldrige National Quality Program in close cooperation with the private sector. The award is traditionally presented by the President of the United States in a special Washington, D.C. ceremony.

MEDRAD, Inc.

One Medrad Drive
Indianola, PA 15051-0780 USA
412-767-2400

www.medrad.com/nva8

For more information:
info@medrad.com

Customer Service/Orders

1-800-MEDRAD-1
(1-800-633-7231)

Customer Service FAX

(412) 767-4120

International FAX

(412) 767-4128



MEDRAD[®]
Performance. For life.[™]