

# Vacuum Immobilisation for MRI



**Prevention of motion artefacts during MRI scanning -  
MedVac VACUUM IMMOBILISATION gives you  
OPTIMAL FIRST TIME IMAGES**



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# The MedVac-System:

## **The solution to prevent motion artefacts**

*is to immobilise the patient during the imaging sequence.*

*The **MedVac Vacuum splints** with the unique patented **Interior Chamber-System** and the **Bio-Compatible Outer Cover** makes the splints ideally suited for immobilisation during MRI imaging.*

*Thin, flexible, easy to use and when evacuated very stable.*

*The patient is comfortably stabilized*

*during the scanning procedure*

*resulting in optimal first time images without motion artefacts.*



## **Benefits of using the MedVac-System:**

### **IMPROVED IMAGE QUALITY, EFFICIENCY and DAILY THROUGHPUT**

#### **Easy to use:**

- The chambered beads positioned in the right place allows quick application
- Thin profile, fit most coils
- The vacuum valve closes automatically after air has been evacuated
- Easy to clean and disinfect



#### **Patient comfort:**

- Patient is comfortably supported and immobilised
- Pleasant and durable bio-compatible material
- Good insulation properties keep infant warm

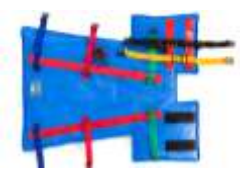
#### **Results:**

- Increased image quality, no motion artefacts, optimal first time images
- Increased throughput, additional 2-3 patient scans per day
- Increased return on your MRI investment

**MRI of knee, ankle & foot**



**VMR446X02**



**MRI of ankle & foot**



**VMR432 X01**



**MRI of hand –  
Hand and coil are wrapped up in the vacuum splint**



**VMR431X01**



**MRI of foot –  
Foot and coil are wrapped up in the vacuum splint**



**VMR431X01**



***Eliminate the need for sedation  
in infant MRI & CT***

**Vacuum mats for MRI & CT of infants  
0-5 months old**



**VMR433X01**



## Vacuum mats for infant MRI and use with incubators



### VMR441X01

With hook & loop straps for fixing in the incubator.



### VMR449X01

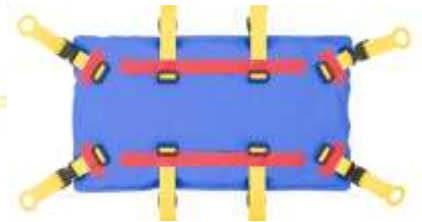
With hook & loop straps for fixing in the incubator.



### VMR449X02

With plastic straps for fixing in incubator.

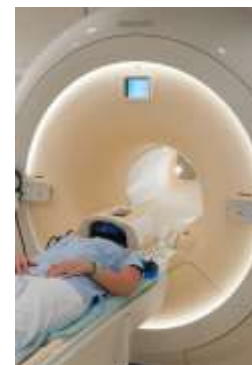
2 vacuum valves, one for the upper part and one for the mattress.



## MRI of head

### VMR452X01

The head immobiliser deflates on inside to immobilize the patient's head and inflated on the outside to stabilize the head against the coil.

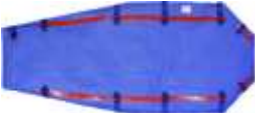



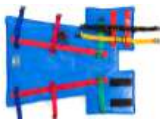







### VMR452X03



The head immobiliser deflates on inside to immobilize the patient's head and inflated on the outside to stabilize the head against the coil.



## MRI-Vacuum-Mats

Full body		VMR401X01 Width, head-middle-foot: 40-88-50 cm Length: 200 cm Weight: 5 kg
Hand-Foot		VMR431X01 Width: 45-70 cm Length: 65 cm Weight: 0,7 kg
Ankle		VMR432X01 Width: 50 cm Length: 65 cm Weight: 0,6 kg
Infant 0-5 months		VMR433X01 Width: 35-55 cm Length: 67 cm Weight: 0,7 kg
Child 0,5-4 years		VMR438X01 Width: 51-76 cm Length: 117 cm Weight: 1,5 kg
Infant 0.5-2 years		VMR438X02 Width: 45-65 cm Length: 90 cm Weight: 1,3 kg
Knee, leg and foot		VMR446X02 Width: 45-70 cm Length: 80 cm Weight: 0,85 kg
Infant 0-5 months		VMR448X01 Width: 32 cm Length: 73 cm Weight: 1,35 kg
Infant 0-5 months Made for use in Incubator		VMR449X01 Width: 40 cm Length: 70 cm Weight: 1,35 kg
Infant 0-5 months Made for use in Incubator		VMR449X02 Width: 40 cm Length: 70 cm Weight: 1,8 kg
Head immobiliser -deflate inside to immobilize head -inflate outside to stabilize against coil		VMR452X01 Width: 40 cm Length: 30 cm Weight: 0,6 kg
Head immobiliser -deflate inside to immobilize head -inflate outside to stabilize against coil		VMR452X02 Width: 40 cm Length: 20 cm Weight: 0,5 kg
Head immobiliser		VMR492X01 Width: 40 cm Length: 30 cm Weight: 0,6 kg

## Accessories

VMRFP01 Foot pump Non-magnetic		VMRHP03 Hand pump Non-magnetic	
AMR01 Adapter to valve for connection to tubes of hospital suction systems			



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