

# Vacuum Immobilisation for MRI



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



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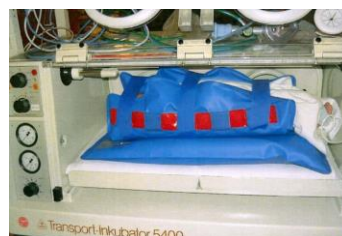
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# The MedVac-System:

## **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.

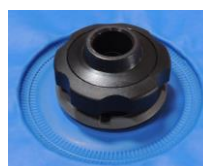
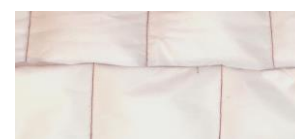


## **Benefits of using the MedVac-System:**

### **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
- Easy to clean and disinfect
- The vacuum valve closes automatically after air has been evacuated



**Removable  
valve**



**Non-Removable  
valve**

#### **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 Extrimities

### 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**





## ***MRI of Infants & Children*** ***Eliminate the need for sedation***

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



**VMR433X01**  
0-5 months old

**VMR438X01**  
0,5-4 years old

**VMR438X02**  
0,5-2 years old



## MRI of head

### VMR452X01

#### Vacuum & Inflation.

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



### VMR452X03

#### Vacuum & Inflation.

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



### VMR492X01

#### Vacuum only.

## Vacuum mat for use with incubators












### VMR449X02

With plastic straps for fixing in incubator.


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



## 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 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	
9101 Bulb pump for VMR452		AMR01 Adapter to valve for connection to tubes of hospital suction systems	

# KOHLBRAT & BUNZ

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