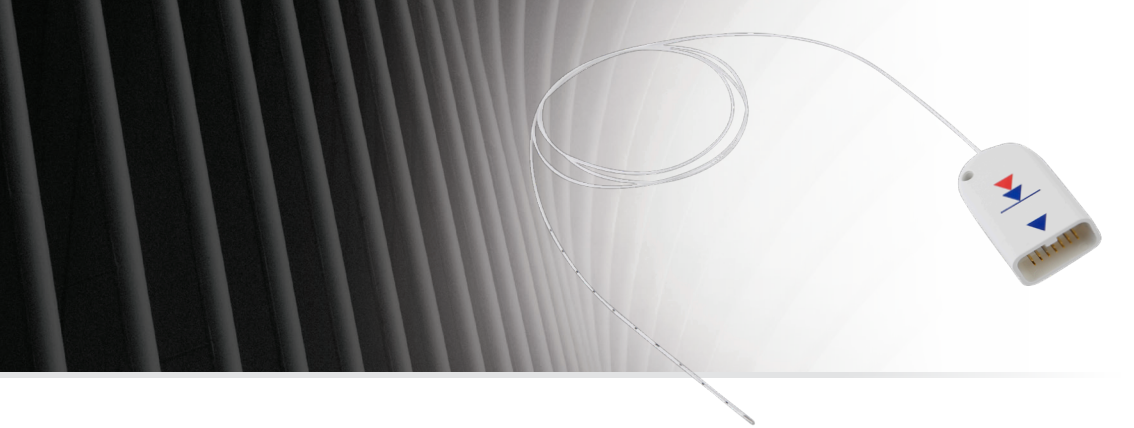


MRI Guide

Is my patient safe in an MRI?

- ✓ Catheter ICP/ICT
- ✓ Support MRI
- ✓ Pressio® 2





INTRODUCTION

As an imaging professional, you regularly receive patients equipped with Sophysa medical devices and you wonder about the risks related to MRI and the precautions to take?

This guide is for you!

It reviews the main risks and details the safety rules to be applied. It gives you the keys to a safe examination for you and your patient.

SUMMARY

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THE BASICS



MR CONDITIONAL EXAMINATION CONDITIONS



1.5 or 3 Tesla



Maximum spatial field gradient of
19 T/m (extrapolated).



Whole body averaged SAR (Specific
Absorption Rate) limited to 2 W/kg (Normal
Operating Mode) for 15 minutes exposure
at 1.5 or 3 Tesla.



Do not scan a patient with a high body
temperature.



Do not use an emission/reception head coil (RF
emission coil for the head) or a simple RF emission
head coil. Only use an RF emission/reception whole
body coil or an RF emission whole body coil with a
simple RF reception head coil.

ARTIFACTS WIDTH MAX. at 3 Teslas

Pressio® catheters

Gradient Echo pulse sequence

59 mm max.

Catheters Pressio® (ICP/ICT)

Products references

PSO-PT
PSO-PTT

PSO-PB
PSO-PBT

PSO-VT
PSO-VTT



MR CONDITIONAL EXAMINATION CONDITIONS



▶ 1.5 ou 3
Teslas



▶ Whole body averaged SAR (Specific Absorption Rate) limited to 2 W/kg (Normal Operating Mode) for 15 minutes exposure at 1.5 or 3 Tesla.



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Before : Preparation MRI examination - 2 solutions

VIA MRI SUPPORT

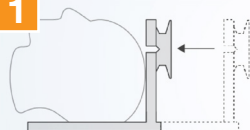
« MR Conditional » status requires an appropriate **positioning of Pressio® Catheter on MRI Support** as shown on the following pictures:





MR CONDITIONAL EXAMINATION CONDITIONS

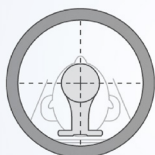
1



MRI Support positioning

Place the support as close as possible to the patient's head.

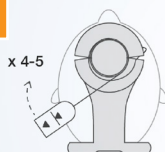
2



MRI Support centering

Place MRI Support in the center of the table. Ensure that the MRI Support is aligned with the patient's head.

3



Pressio® Catheter coiling

Depending on length, the Pressio® Catheter may be coiled 4 or 5 times around the support.

4



Connector fixation

Affix Pressio® Catheter connector into rim of MRI Support spool.

Immediate effects



Maximum temperature rise of less than **2.2 °C** after **15 minutes of continuous scanning**.

ARTIFACTS WIDTH MAX. at 3 Teslas

Gradient Echo sequences

55mm max.

Pressio[®]2

ICP Monitor

Products references

PSO-MC01	PSO-MC04	PSO-MCT-A	PSO-MCT-D	PSO-4000
PSO-MC02	PSO-MC05	PSO-MCT-B	PSO-MCT-E	PSO-EC30
PSO-MC03	PSO-MC08	PSO-MCT-C	PSO-MCT-F	



MR UNSAFE

The Monitor and the catheter extension cable are not suitable for use in an MRI environment or during an MRI examination.



Always disconnect the Catheter from the Monitor before any MRI examination.



Notes

Notes

Notes

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