



**Sterile Radiation Protective Drapes Radionex® AS100**  
Urology

distributed by **MAVIG**

# Sterile Radiation Protective Drapes

## Why Put Yourself at Risk?

Urologists take the risk of constantly exposing themselves to the harmful effects of radiation. It is therefore mandatory to minimize this risk without compromising patient-care quality. Whereas lead-acrylic shields are still under evaluation and are not available on the market yet, conventional protective aprons are an efficient mean to block a significant amount of scattered radiation.

To provide protection for specific applications, MAVIG has introduced a new series of sterile, single use radiation drapes: Radionex®.

## Radionex® AS100 Sterile Radiation Protective Drapes

Radionex consists of a lead-free, protective inner material, which can be simply disposed of after use. The application-specific designs of Radionex drapes provide perfect protection for the physician without influencing the way they work. In addition, special adhesive strips on the backside of the drape allow for easy re-positioning to make sure it does not conflict with the imaging field. The outer material of Radionex is made of an absorbent fabric to keep fluids such as blood and saline.

These features make Radionex an easy addition to any physician's radiation protection system, without noticing any difference in clinical procedure.

## Efficiency of Radionex® AS100

The efficiency of the Radionex AS100-High drape in reducing scattered radiation during cardiac angiography procedures was evaluated in a clinical study performed in a Cardiac Catheterization room, which was equipped with a GE Innova 3100 X-ray imaging system. Factors that affect scattered radiation doses were taken into account in the study consisting of 28 cases randomly classified into cases that used Radionex protection and cases performed without. Patient radiation dose, expressed as Dose-Area-Product (DAP) ( $\text{Gy} \cdot \text{cm}^2$ ), fluoroscopy time (min) and patient BMI were recorded for each procedure.

Results showed a 72.5 % reduction in the scattered radiation received by the cardiologist.

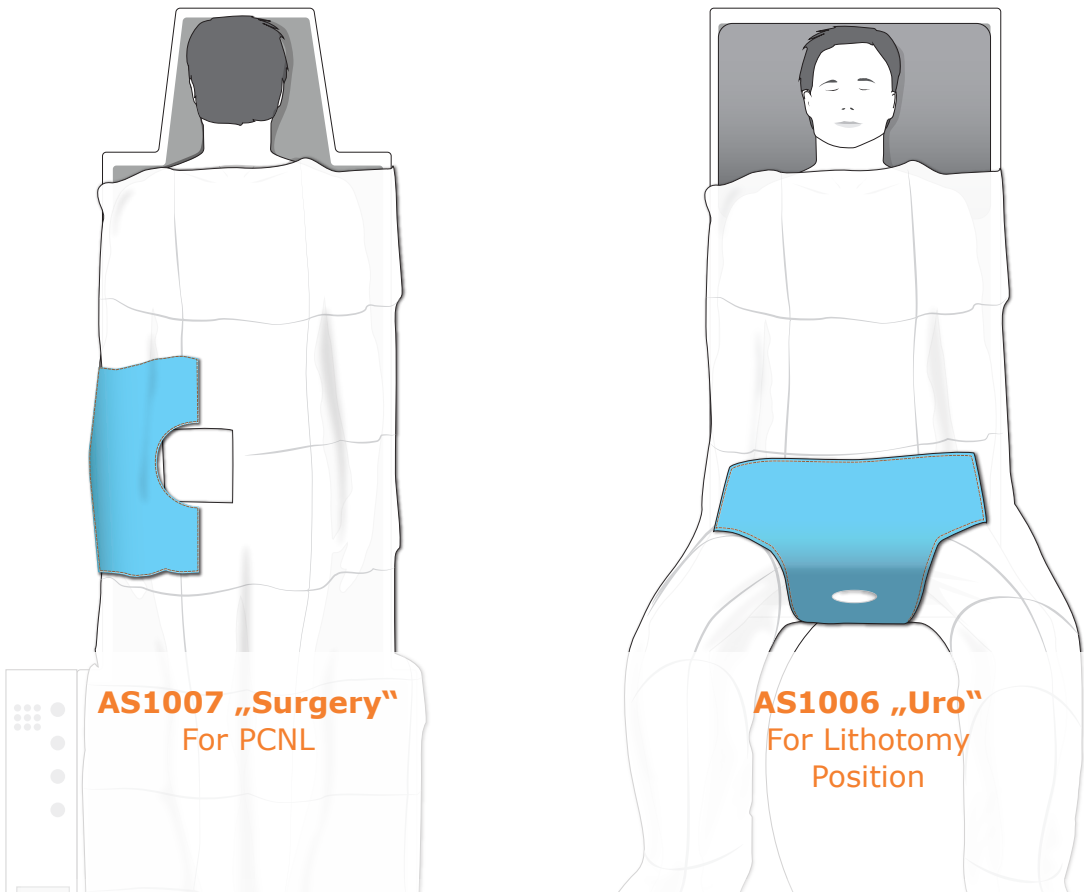
### Radiation Attenuation at 90 kV

Low Pb 0.05 mm	Medium Pb 0.15 mm	High Pb 0.30 mm
75.3 %	90.8 %	95.3 %

Attenuation measurements at broad beam according to: EN 1331-1 (IEC 61331-1 and ASTM-2547-06)  
Lead equivalents according to DIN 6857-1:2009 in the tube voltage range from 60 - 120 kV

- Sterile / disposable - No cross contamination
- Lead free material - Environmentally friendly
- Dose reduction **up to 95 %**
- Supports ALARA radiation safety principle  
(as low as reasonable achievable)
- Repositionable - Does not affect physician's work routine
- Fluid absorbent outer material
- Available in different levels of protection: Low/Medium/High

**Radionex® AS100** drapes provide excellent protection for the physician and his team from scattered radiation by reducing the received dose by up to 95 %.

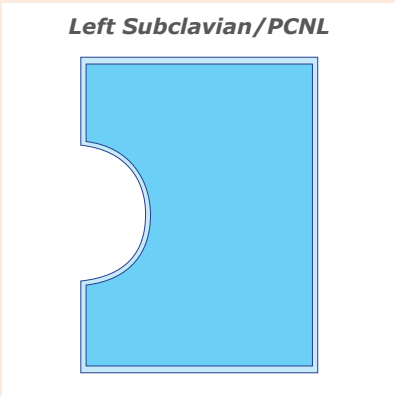


**AS1007 „Surgery“**  
For PCNL

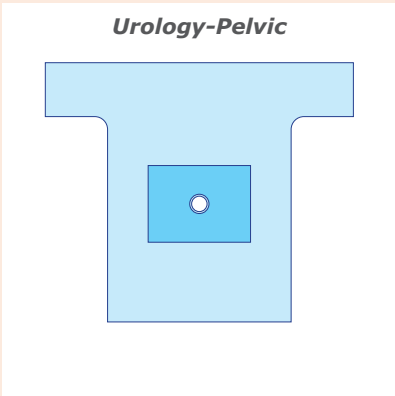
**AS1006 „Uro“**  
For Lithotomy  
Position

Application

	1 Box of 15 Drapes		1 Box of 5 Drapes	Qty.
	High <b>AS1007H</b>  Medium <b>AS1007M</b>  Low <b>AS1007L</b>		High <b>AS1006H</b>  Medium <b>AS1006M</b>  Low <b>AS1006L</b>	Order Details
	30 x 40 cm		30 x 40 cm	Size



**Left Subclavian/PCNL**



**Urology-Pelvic**

Shape



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