

TOOKAD® Soluble

Tookad® German Advisory Board Meeting

Standardization of the technical procedure
Proctoring program

Pr Azzouzi Abdel-Rahmène

Department of Urology – CHU d'Angers

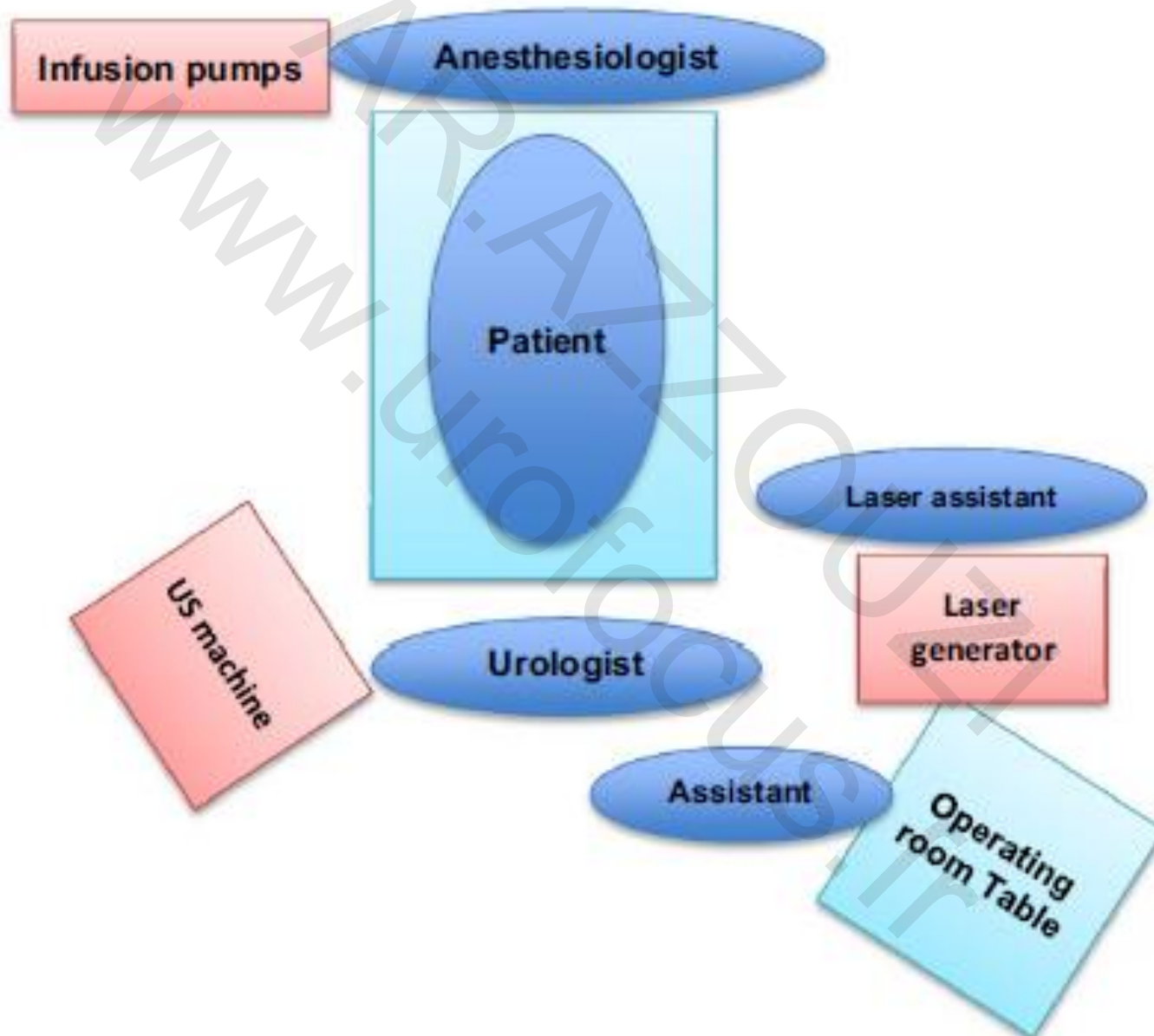
Angers - France

- Indication
 - Prostate volume between 25 cc and 70 cc
 - Absolute CI \Rightarrow TURP, AUR within 6 months, urethral stricture
- Pre-operative preparation
 - A-blocker
 - Start a week before
 - For a month
 - Enema the evening before

Anesthesia - Position



Operating room organisation



VTP technique published since 2015

World J Urol
DOI 10.1007/s00345-015-1535-2

TOPIC PAPER

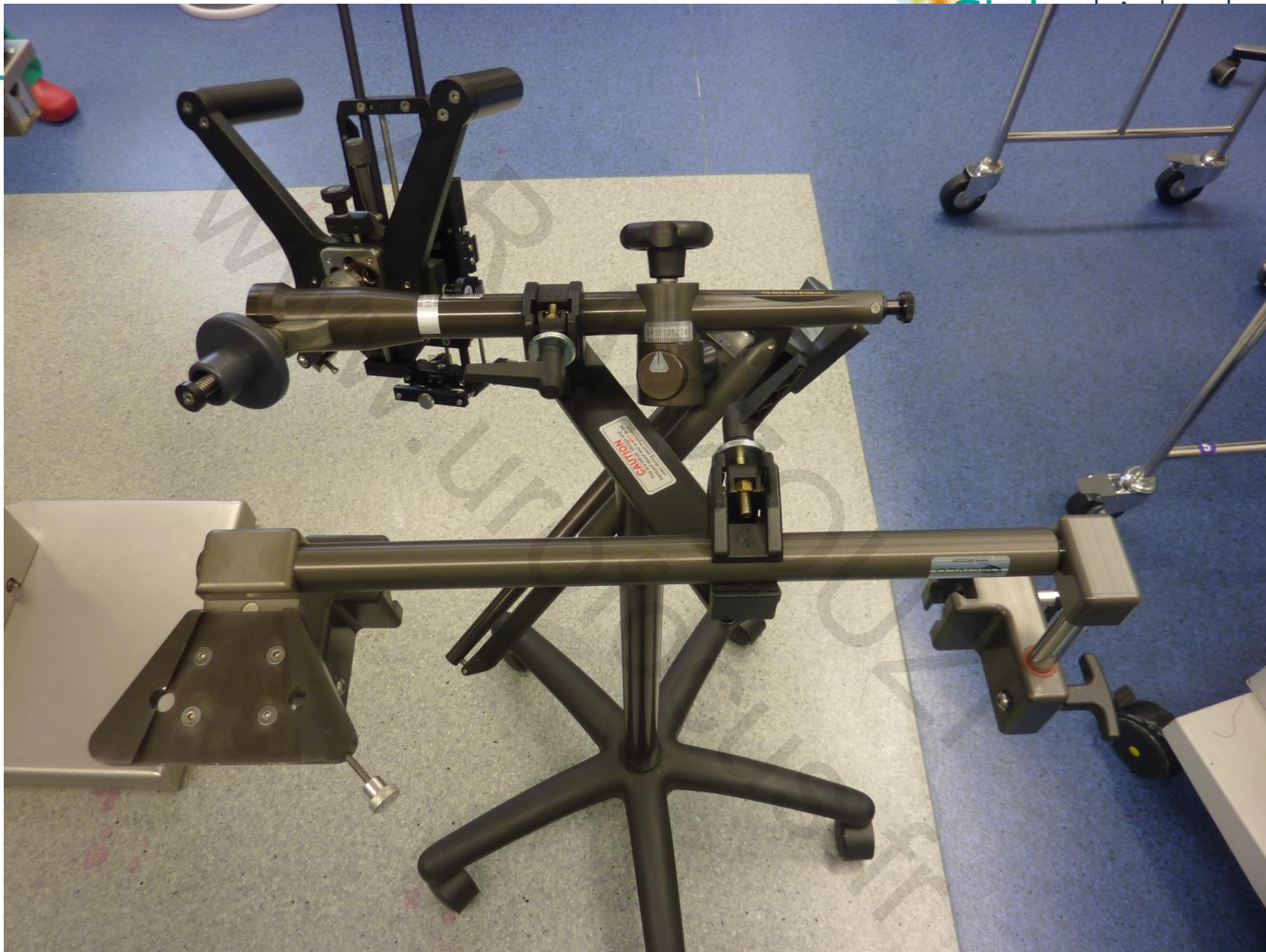
Vascular-targeted photodynamic therapy with TOOKAD[®] Soluble in localized prostate cancer: standardization of the procedure

Abdel-Rahmene Azzouzi¹ · Souhil Lebdaï¹ · Fawzi Benzaghrou² · Christian Stief³

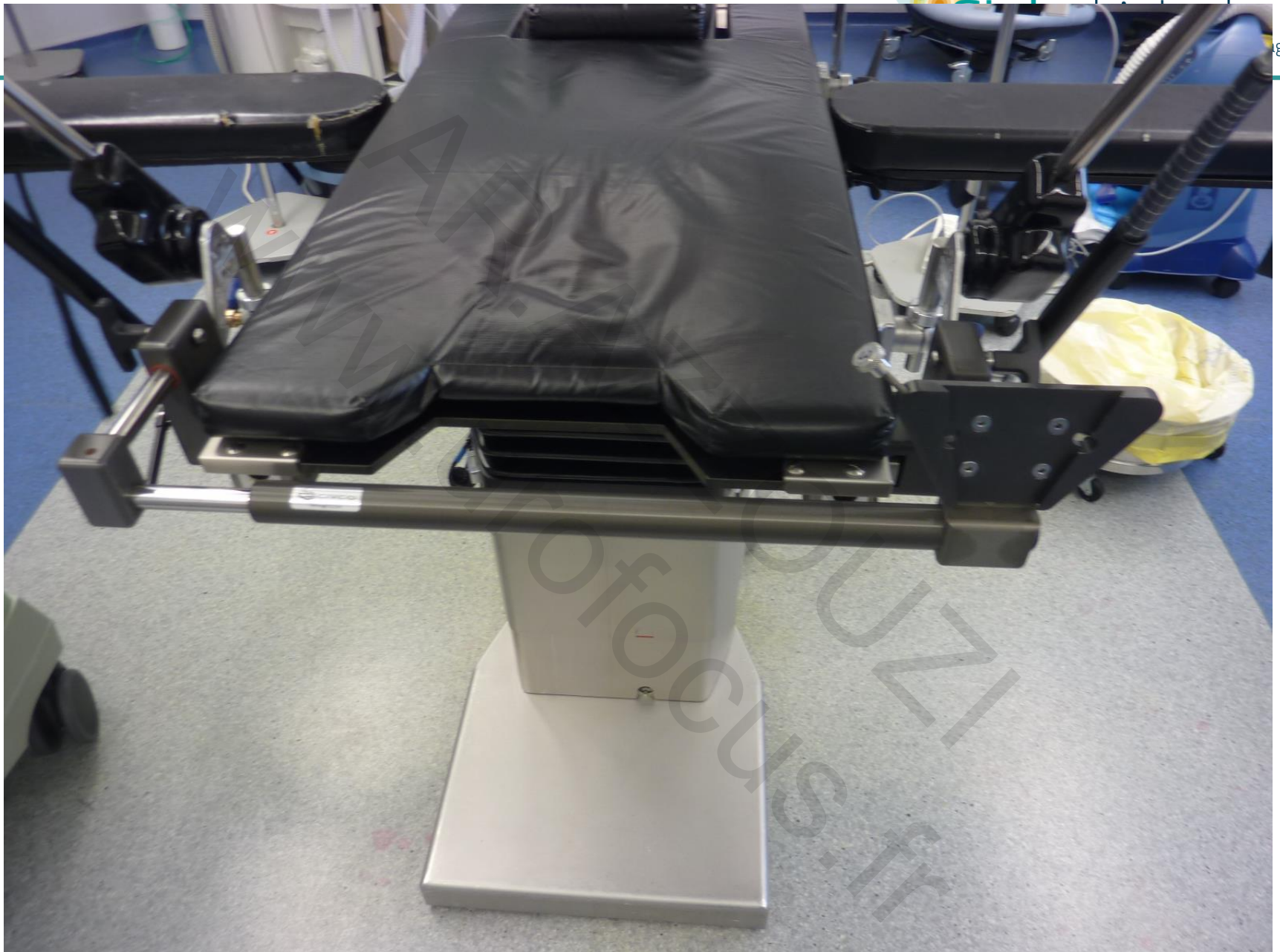
Received: 1 December 2014 / Accepted: 9 March 2015

Brachytherapy template ("grid") in position





gine...





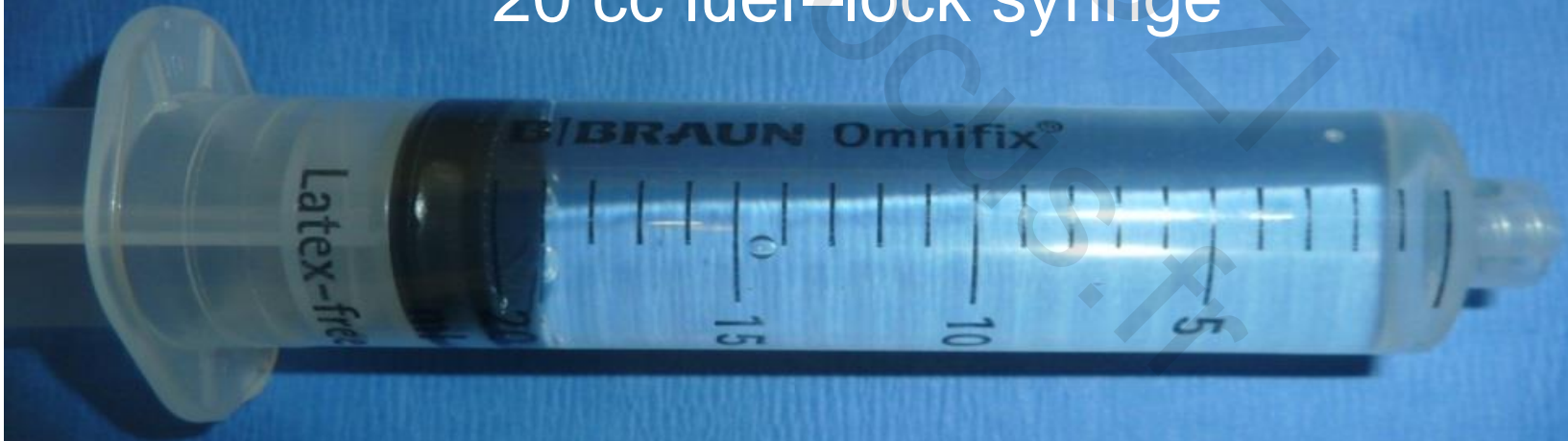
Brachystepper - Neutral position

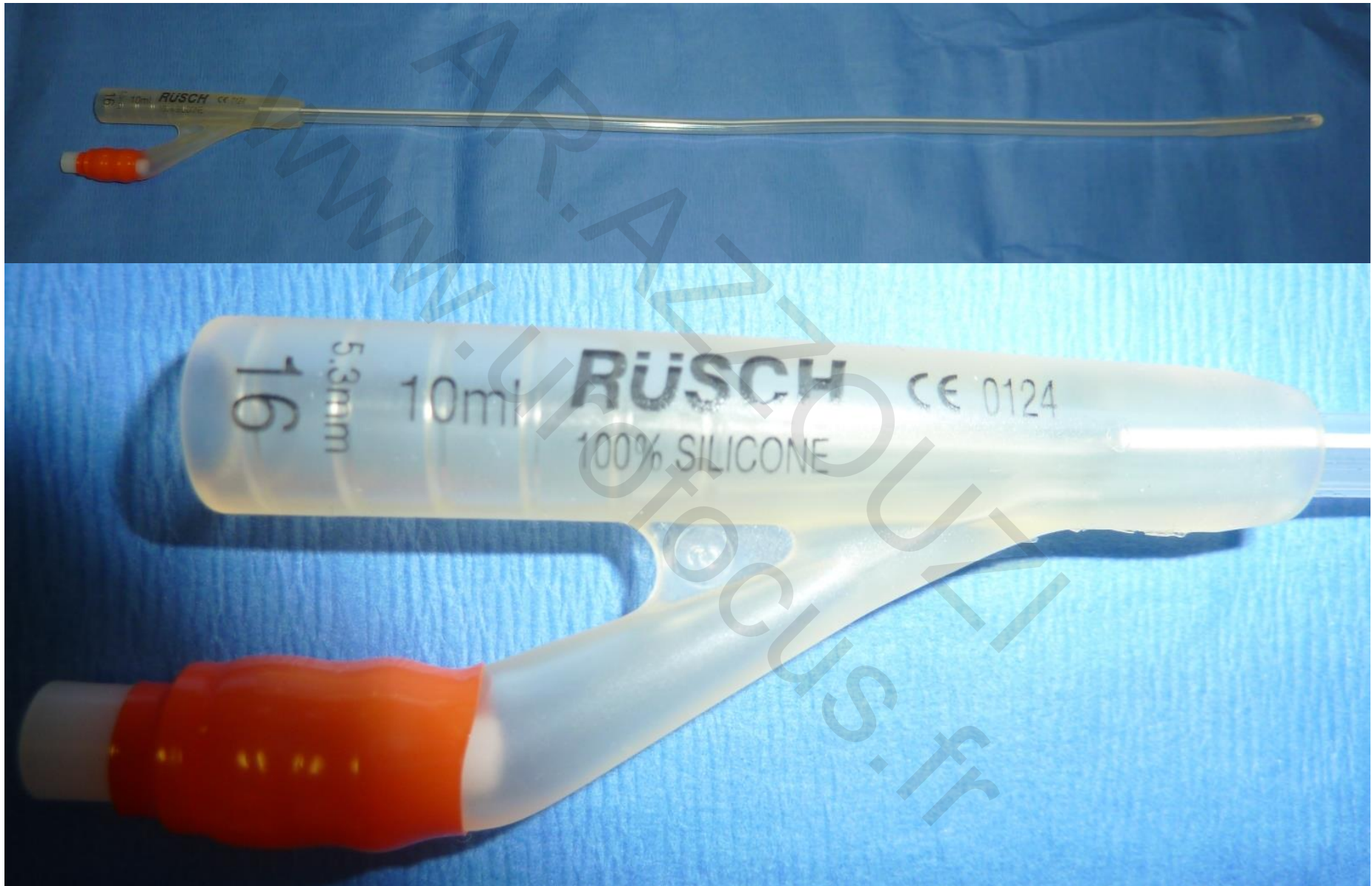


US probe preparation



20 cc luer-lock syringe

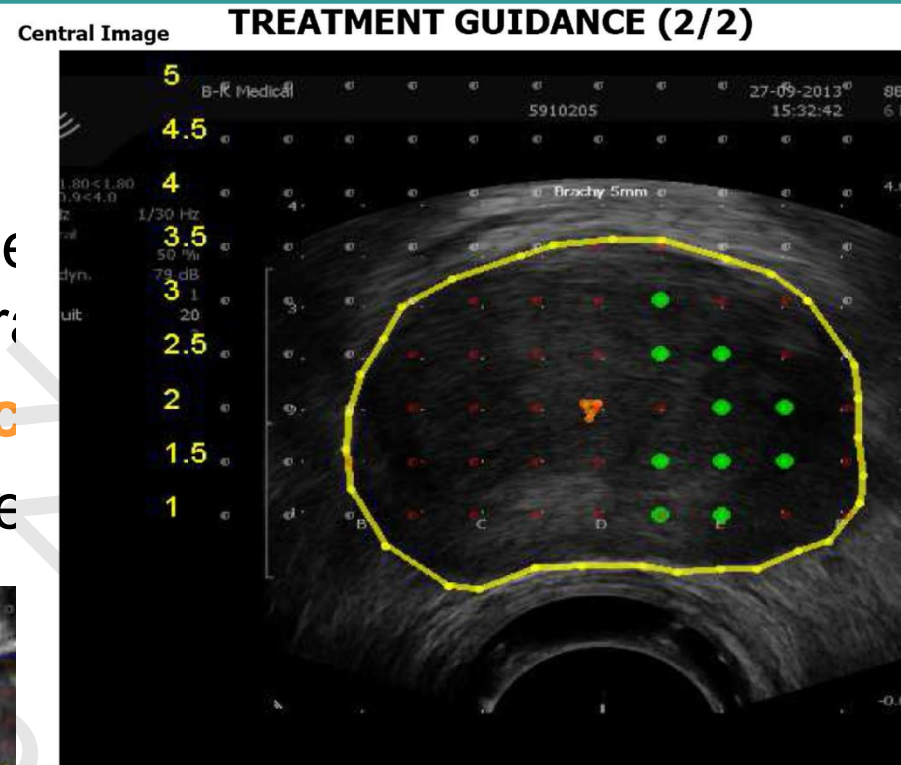




Needles insertion



- **Light penetration** in prostate 4.5 mm. Resulting necrosis r
- Light deflected by **prostate c**
- Treatment guidance software



d3 : 20 mm E2.5 : 30 mm e2 : 20 mm
d2.5 : 30 mm E2 : 30 mm e1.5 : 30 mm
d1.5 : 30 mm E1.5 : 30 mm
d1 : 10 mm E1 : 15 mm

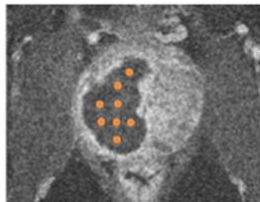
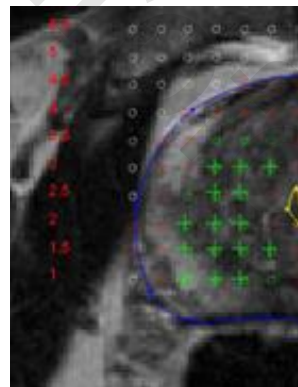
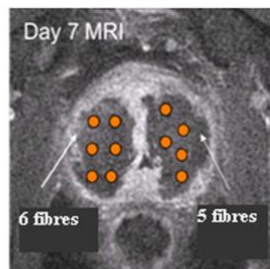
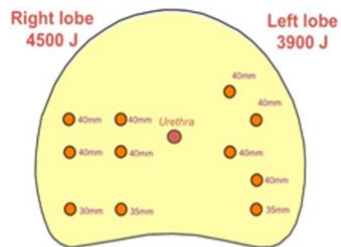
Security margin (from base) : 5.00 mm
Security margin (From apex) : 5.00 mm
Security margin (From fibre to capsule) : 5.00 mm

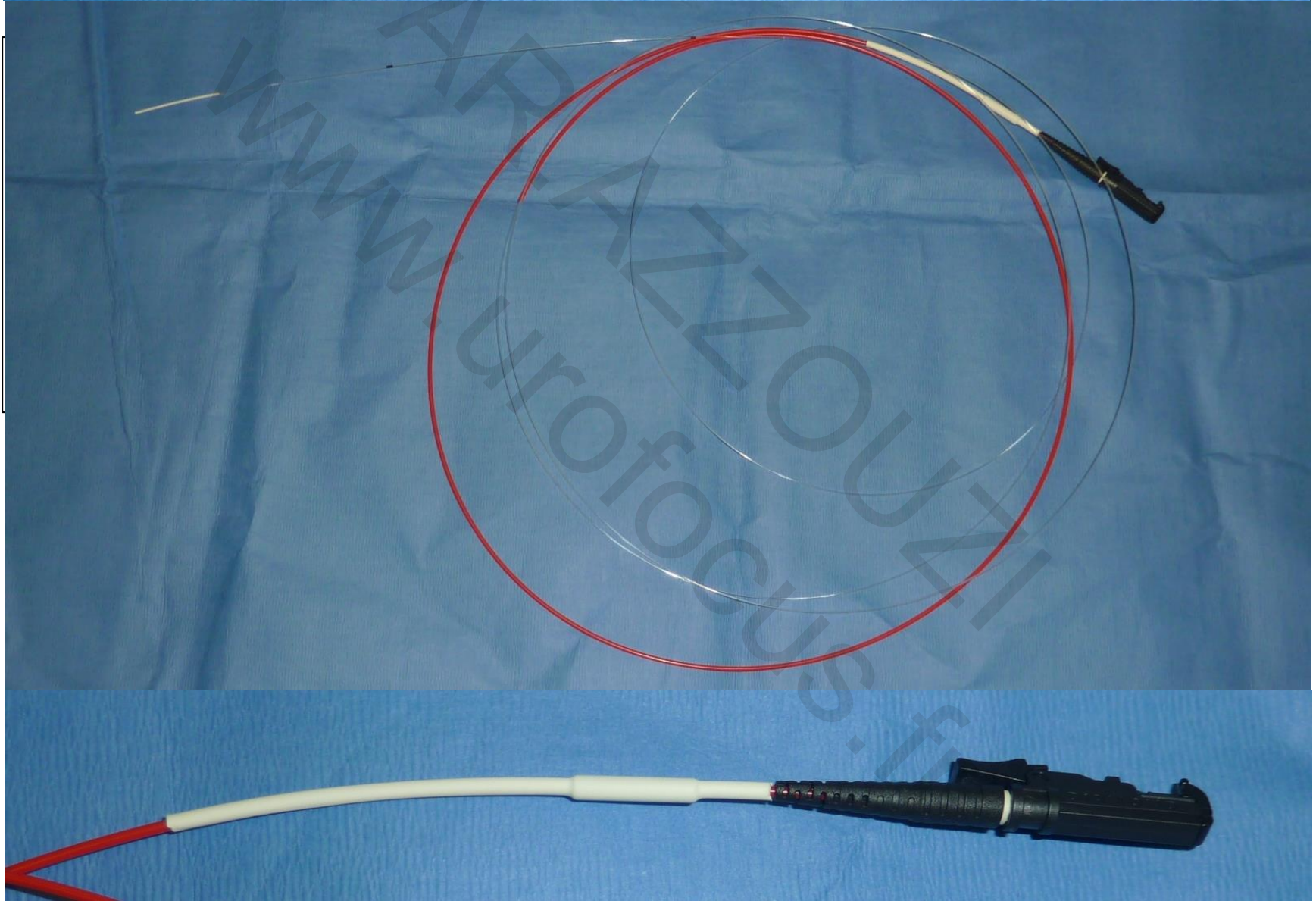
LENGTH COMMENTS: Du to the swelling, the prostate volume can evolve during the procedure, the clinician should adjust to the highest possible length while respecting safety margins.

WARNING: If fluence in the rectal probe exceeds 13 mW/cm², change the fibres positions

Betr

TOOGUI



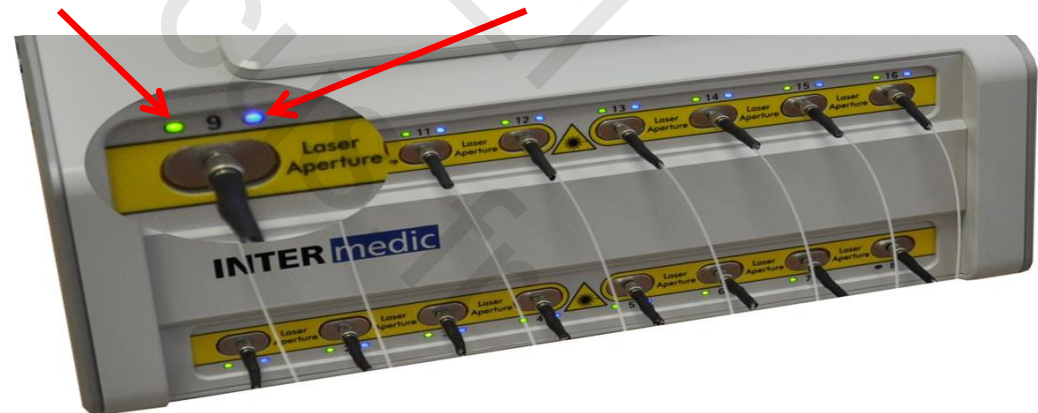


Intermedic Laser System

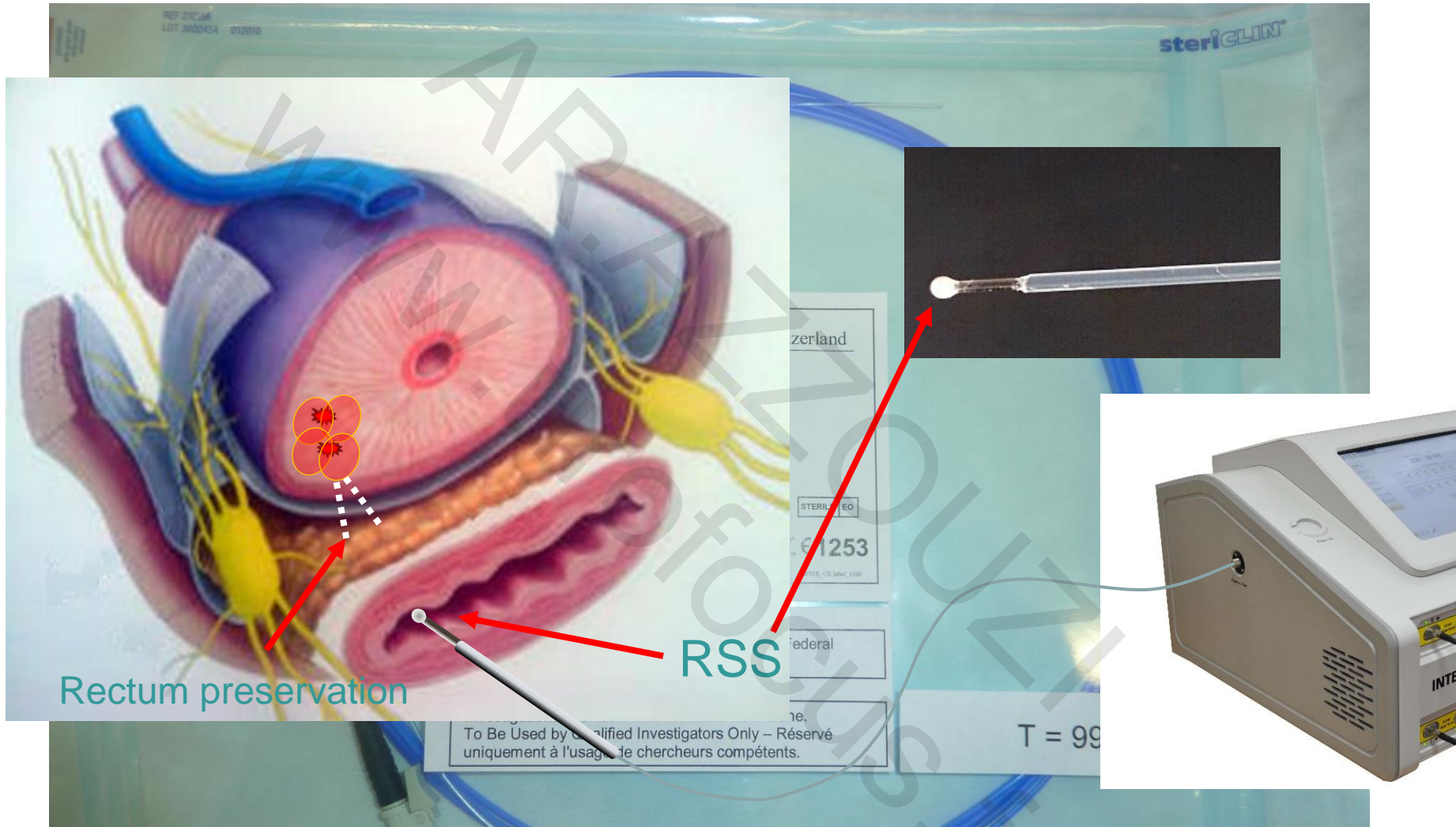
Multidiode 753



Green light indicates the optical fiber is connected Blue light indicates the laser is emitting



Safety control - Light monitoring

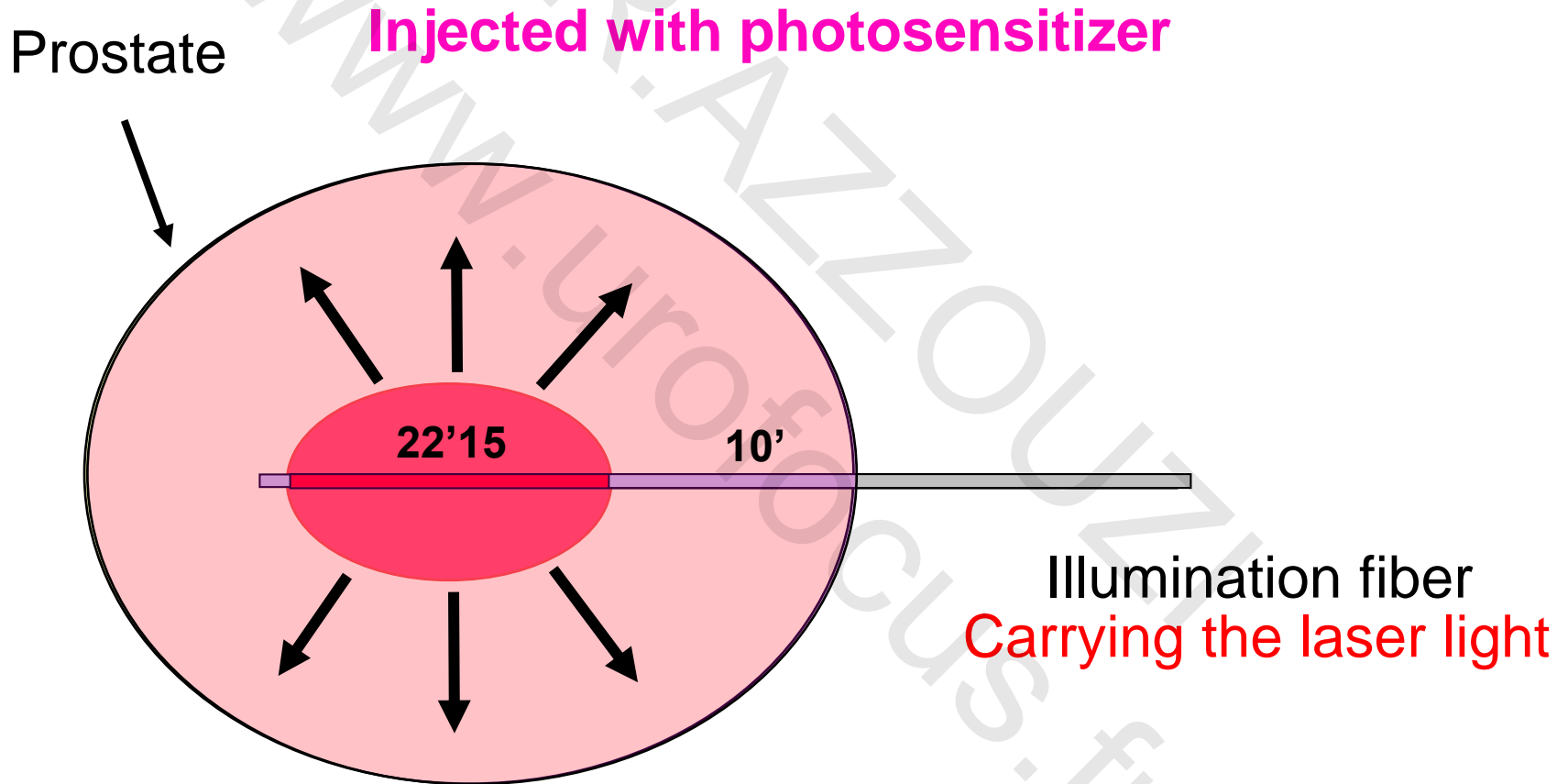


Rectum Safety Sensor (RSS) \Rightarrow detects laser light to avoid recto-uretral fistula
(allowed less than 13 mW/cm²)





Interaction between photosensitizer and light



Illumina



Post-VTP light management





Post-VTP light management



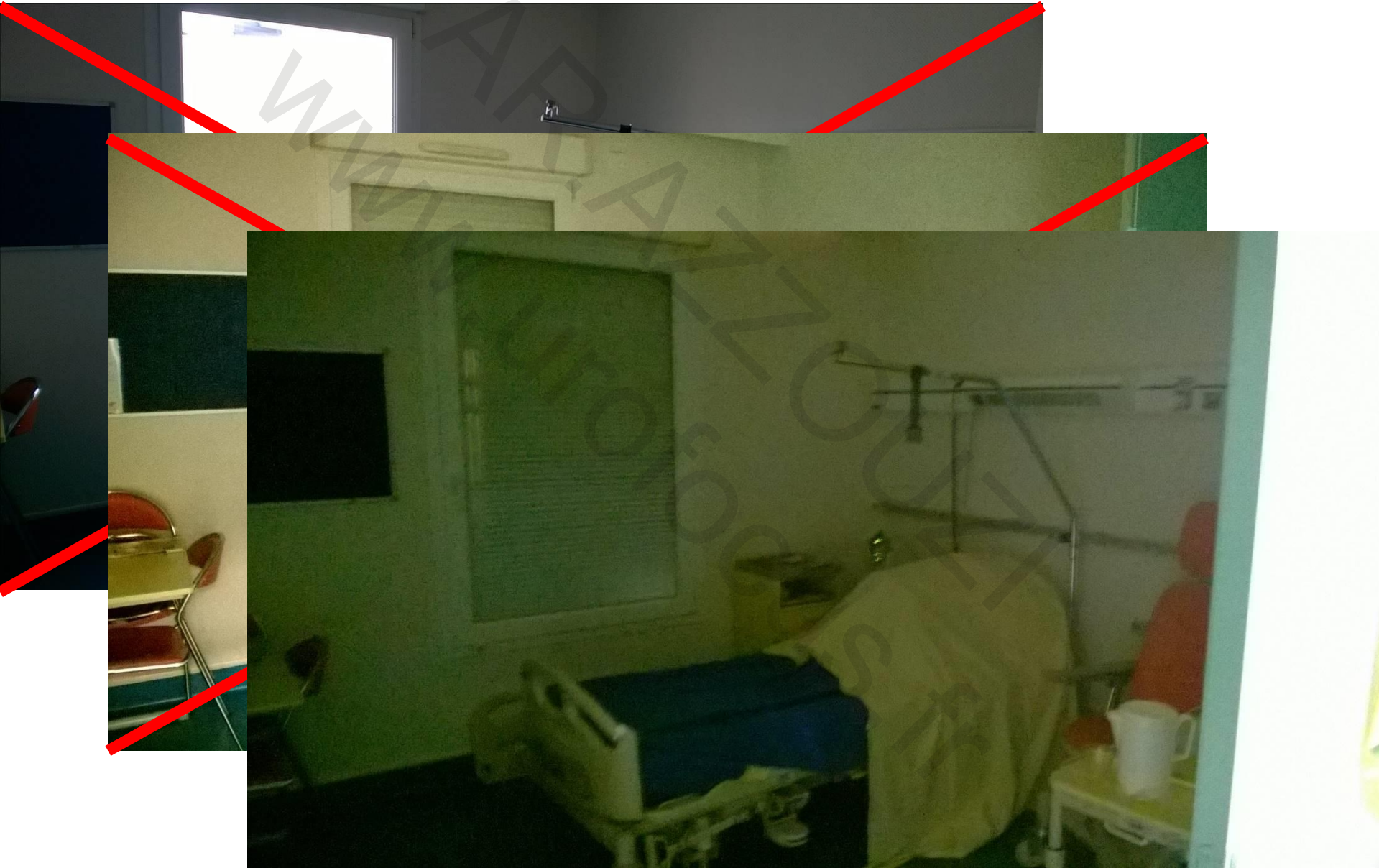
Post-VTP light management



Post-VTP light management



Post-VTP light management



- End of illumination
 - room kept in the dark
 - patient completely covered + googles
 - needles and optical fibers removed at once
 - Foley catheter connected to urinary bag
 - **no direct light can reach the patient during 6 hours**
- Foley catheter removed after 3 h Depending on pre-op
 - IPSS
 - Flow max.
 - Prostate volume
 - Previous HBP treatment
- Patient discharged as day-case surgery or following day
 - Day 1 after surgery \Rightarrow indoor with googles
 - Day 2 \Rightarrow outdoor

TOOKAD® Soluble VTP procedure :

- ❖ **Easy to perform**
- ❖ Easy to learn (Short learning curve = 15-20 cases)
- ❖ Short (The entire procedure can last less than 1:00 hour)
- ❖ Day case surgery possible (most patients discharged at D1)
- ❖ Other therapies still possible in case of failure (No loss of chance)
- ❖ Only minor investment needed (TRUS machine + brachystepper)
- ❖ **Can be performed in any surgical centre**