

Bladder Wall Thermo-Chemotherapy - **BWT** *for* Bladder Cancer



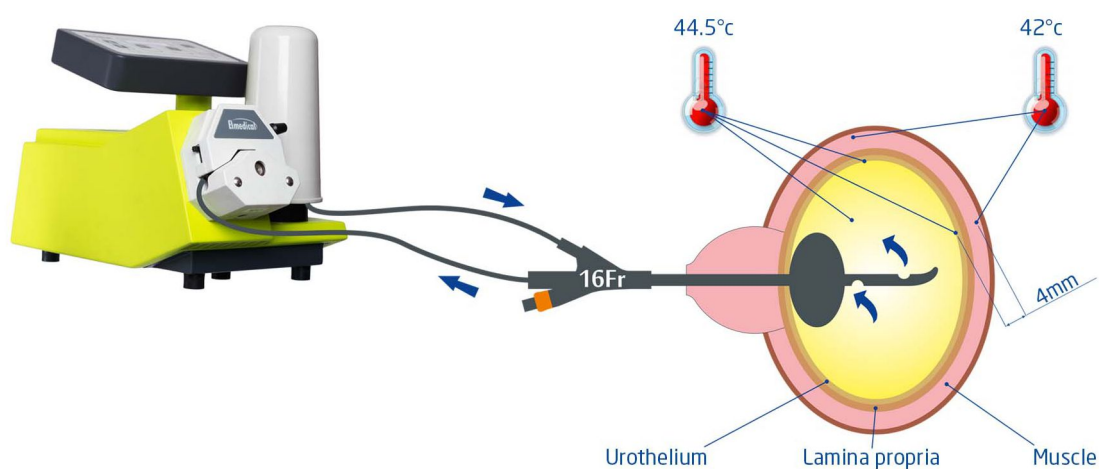
GET YOUR PATIENT
**BACK INTO THE
GAME**

Elmedical
unique urology solutions

**7 times
extension**
of recurrence-free interval

BWT to treat NMIBC

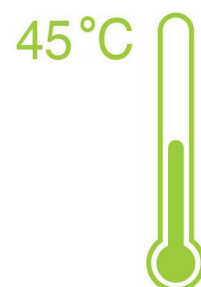
- **Bladder Wall Thermo-chemotherapy (BWT)** provides chemotherapy instillation at a uniform and precise 44.5°C over the entire bladder lumen
- To secure drug stability and achieve an exact and uniform temperature, **BWT** uses a carefully heated **Mitomycin C (MMC)** solution at a high-hyperthermia temperature
- Fast circulation through the bladder, safety performed at low pressure results in the replacement of the bladder's content 4-5 times per minute



- Patented conical heat-exchanger (large & thin surfaces of solution) provides:
 - Large area for minimal temperature exposure of the drug
 - Low priming volume for minimal dilution of the drug
 - Easy and immediate connection to the console
 - Simple and safe disposal of the cytotoxic content at procedure's end
- The catheter is made of silicone and does not contain any metal parts, which ensures its flexibility and allows for a non-traumatic insertion

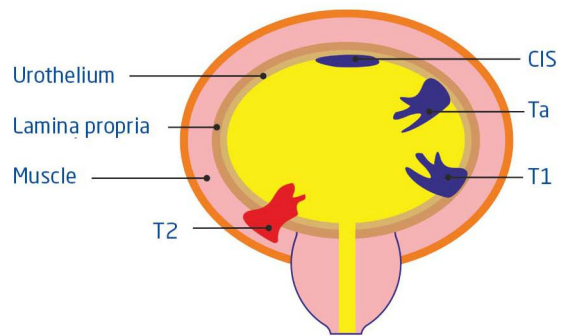
Powerful combination of hyperthermia & chemotherapy

- Enhance drug uptake by due to increases:
 - Blood flow and improved drug distribution
 - Permeability of the cell membrane
 - Drug reaction rate and metabolism
- High-hyperthermia selectively damages cancer cells while not affecting healthy tissue

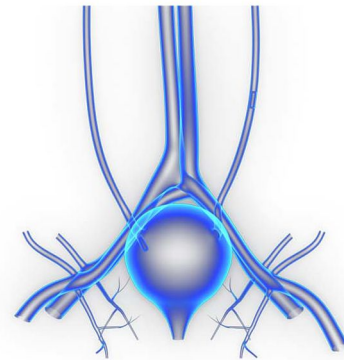


Risk groups

- **Stages in NMIBC:**
Ta / T1 / CIS
- **Grades in NMIBC:**
Low grade - LG
High grade - HG



- **Low-risk:**
Primary, solitary, Ta, LG, <3cm, no CIS
- **Intermediate-risk:**
all tumors not defined as High-risk or Low-risk
- **High risk:**
any of the following: T1, HG, CIS



BWT protocols and follow-ups

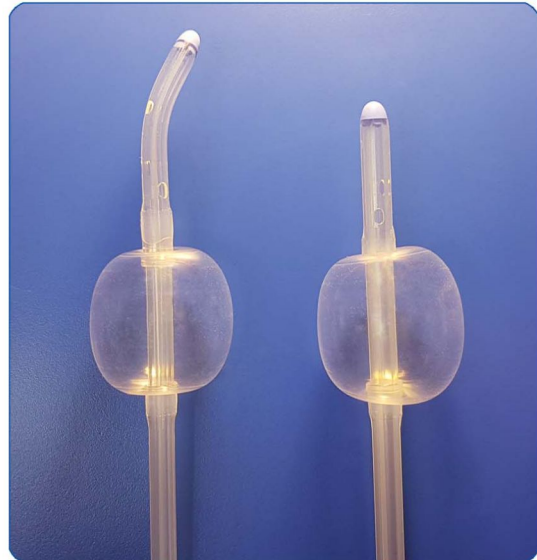
Week	1	2	3	4	5	6	7	8	9	10	11	12	13
Month 1	1			2			3						
Intermediate risk	●	●	●	●	●	●				▲	●		
High risk	■	■	■	■	■	■				▲	■		
Month 2	4			5			6						
Intermediate risk		●				●					▲ ●		
High risk		■				■					▲ ■		
Month 3	7			8			9						
Intermediate risk		●				●					▲		
High risk		■				■					▲ ■		
Month 4	10			11			12						
Intermediate risk											▲		
High risk		■				■					▲ ■		
● Instillation for Intermediate risk	40mg MMC dissolved in 50ml sterile water 6 weekly induction + 6 monthly maintenance = 12 instillations												
■ Instillation for High risk	80mg MMC dissolved in 50ml sterile water 6 weekly induction + 10 monthly maintenance = 16 instillations												
▲ Follow-up Surveillance	Urine cytology + video cystoscopy + Biopsies, if required												

Office-Based Platform for Thermal Treatments In Urology



Compact Console

- 23x36x26cm; 9.5Kg
- Can come equipped with trolley



UniThermia Catheter sets | options:

- 16Fr Tiemmen tip catheter
- 18Fr Nelaton tip catheter

Mitomycin-C

A SOLID FOUNDATION IN
CANCER THERAPY



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