

OFFICE-BASED PLATFORM for thermal treatments in urology

> BWT catheter | 18 Fr silicone catheter

> Compact console | 23 x 36 x 26 cm



A SOLID FOUNDATION IN CANCER THERAPY

Mitomycin-C

INSTILL CONFIDENCE

Non-Muscle Invasive Bladder Cancer

NMIBC *by* BWT

Bladder Wall Thermochemotherapy



58300001

BWT provides bladder wall thermochemotherapy with uniform and precise hyperthermia over the entire bladder lumen by a closed circuit of a carefully heated **Mitomycin C** solution.

BWT is a 50 minutes continuous procedure with uniform 44 °C over the entire bladder lumen. The procedure performed with a dedicated 3-way flexible 18 Fr silicone catheter containing no rigid part like a microwave antenna, heating element or temperature probes. Therefore, its insertion through the urethra is easy and non-traumatic.



The uniform & precise temperature results in:

- Better efficacy
- No burns
- Fewer adverse events
- Better patient tolerance

Powerful heat chemotherapy synergy:

- Enhanced drug uptake by cells due to:
 - Increased blood flow and improved intracellular drug distribution
 - Increased permeability of the cell membrane
 - Increased drug reaction rate and metabolism
- Inhibited DNA repair in damaged neoplastic cells
- Heat selectively damages neoplastic cells



BWT protocols:

- Prophylaxis protocol: 40mg **Mitomycin C** dissolved in 50ml water
- Ablation protocol: 80mg **Mitomycin C** dissolved in 50ml water

Schedules of treatments:

BWT protocols involve 6 induction weekly procedures followed by 6 monthly maintenance procedures as follows:

Month	3 months												
Week	1	2	3	4	5	6	7	8	9	10	11	12	13
Procedure	T	T	T	T	T	T				▼	T		
Month	4			5			6						
Procedure	T			T			▼ T						
Month	7			8			9						
Procedure	T			T			▼						
Month	10			11			12						
Procedure							▼						



T - BWT instillations (total 12)

▼ - Follow up surveillance:

Video cystoscopy (4 weeks after last BWT induction procedure) + Urine cytology and, if required, biopsies (in case of positive urine cytology or, from any suspected area).

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The superior efficacy of thermochemotherapy over drug instillations alone, anticipates changing the bladder instillations in NMIBC