



PHYSION[®]
PROTOCOLS

**INTRAVESICAL
SEQUENTIAL ADMINISTRATION
OF BCG AND EMDA-MMC
IN HIGH RISK NMIBC**

- Mitomycin: dilute 40 mg of MMC in 100 ml of bi-distilled water under a fume hood
- Start the protocol within 2-4 weeks after the endoscopic resection
- Before the 1st instillation perform:
 - urine cytology on 3 samples
 - urine culture with antibiogram
 - blood count, renal and hepatic function test

INDUCTION

- 3 triplets (BCG – BCG – EMDA MMC) repeated for 9 consecutive weeks
- 1 instillation per week

1° Week: BCG

2° Week: BCG

3° Week: EMDA MMC

- Urine culture with antibiogram
- Blood count, renal and hepatic function test

4° Week: BCG

5° Week: BCG

6° Week: EMDA MMC

- Urine culture with antibiogram
- Blood count, renal and hepatic function test

7° Week: BCG

8° Week: BCG

9° Week: EMDA MMC

- Blood count, renal and hepatic function test
- Urine cytology on 3 samples (at 3-4 weeks from the last instillation)
- Urine culture (at 4 weeks from the last instillation)
- Cystoscopy (at 6 weeks from the last instillation)
- Renal and bladder ultrasound

MAINTENANCE

- The maintenance can start immediately after the control cystoscopy
- 1 instillation per month for 9 months: 3 cycles of EMDA MMC – EMDA MMC – BCG

1° MONTH: EMDA MMC

- Urine culture with antibiogram
- Blood count, renal and hepatic function test

2° MONTH: EMDA MMC

- Urine culture with antibiogram
- Blood count, renal and hepatic function test



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3° MONTH: BCG

- Blood count, renal and hepatic function test
- Urine cytology on 3 samples (at 3-4 weeks from the last instillation)
- Urine culture (at 4 weeks from the last instillation)
- Cystoscopy (at 6 weeks from the last instillation)
- Renal and bladder ultrasound

4° MONTH: EMDA MMC

- Urine culture with antibiogram
- Blood count, renal and hepatic function test

5° MONTH: EMDA MMC

- Urine culture with antibiogram
- Blood count, renal and hepatic function test

6° MONTH: BCG

- Blood count, renal and hepatic function test
- Urine cytology on 3 samples (at 3-4 weeks from the last instillation)
- Urine culture (at 4 weeks from the last instillation)
- Cystoscopy (at 6 weeks from the last instillation)
- Renal and bladder ultrasound

7° MONTH: EMDA MMC

- Urine culture with antibiogram
- Blood count, renal and hepatic function test

8° MONTH: EMDA MMC

- Urine culture with antibiogram
- Blood count, renal and hepatic function test

9° MONTH: BCG

- Blood count, renal and hepatic function test
- Urine cytology on 3 samples (at 3-4 weeks from the last instillation)
- Urine culture (at 4 weeks from the last instillation)
- Cystoscopy (at 6 weeks from the last instillation)
- Renal and bladder ultrasound

CHECK EXAMS

- To be repeated **every 3 months** for the first 2 years:
 - URINE CYTOLOGY on 3 samples
 - CYSTOSCOPY/ECO
- To be repeated **every 6 months** from the 3rd to the 5th year:
 - URINE CYTOLOGY on 3 samples
 - CYSTOSCOPY/ECO
- To be repeated **every year** from the 6th to the 10th year:
 - URINE CYTOLOGY on 3 samples
 - CYSTOSCOPY/ECO
- To be repeated **every year** till the end of the follow-up
 - URO-CT



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