

# Nurse and Advanced Practice Provider Perspectives on Gemcitabine Intravesical System Treatment of High-Risk Non–Muscle-Invasive Bladder Cancer in the Urology Clinic

Siamak Daneshmand,<sup>1</sup> Kristen Crowley,<sup>2</sup> Nicole Osimo,<sup>1</sup> Cheryl Zinar,<sup>3</sup> Laurence H. Belkoff,<sup>3</sup> Hussein Sweiti,<sup>4</sup> Jason Martin,<sup>5</sup> Shalaka Hampras<sup>6</sup>

<sup>1</sup>Department of Urology, University of Southern California Norris Comprehensive Cancer Center, Los Angeles, CA; <sup>2</sup>Johnson & Johnson, New York, NY; <sup>3</sup>MidLantic Urology/Solaris Health, Bala Cynwyd, PA; <sup>4</sup>Janssen Research & Development, Spring House, PA; <sup>5</sup>Janssen Research & Development, High Wycombe, UK; <sup>6</sup>Clinical Oncology, Janssen Research & Development, Raritan, NJ

## Key Takeaway

Nurses and APPs play a critical role in coordination of care, patient education, and AE management during gemcitabine intravesical system therapy

## Conclusions

The recent approval of gemcitabine intravesical system for the treatment of patients with BCG-unresponsive NMIBC with CIS, with or without papillary tumors, is supported by efficacy and safety data from the SunRISe-1 clinical trial

Cohort 2 (CIS ± papillary disease) had a high complete response rate of 82.4% and 52.9% of patients responded to treatment for at least 1 year. In Cohort 4 (papillary disease only) 85.3% and 70.2% of patients remained disease-free after 6 and 12 months, respectively

Gemcitabine intravesical system therapy was well tolerated in SunRISe-1, with most side effects being mild to moderate symptoms of the lower urinary tract that were managed symptomatically

Recommendations for management of AEs includes lower urinary tract symptom treatments, antibiotics, and adequate hydration



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## Introduction

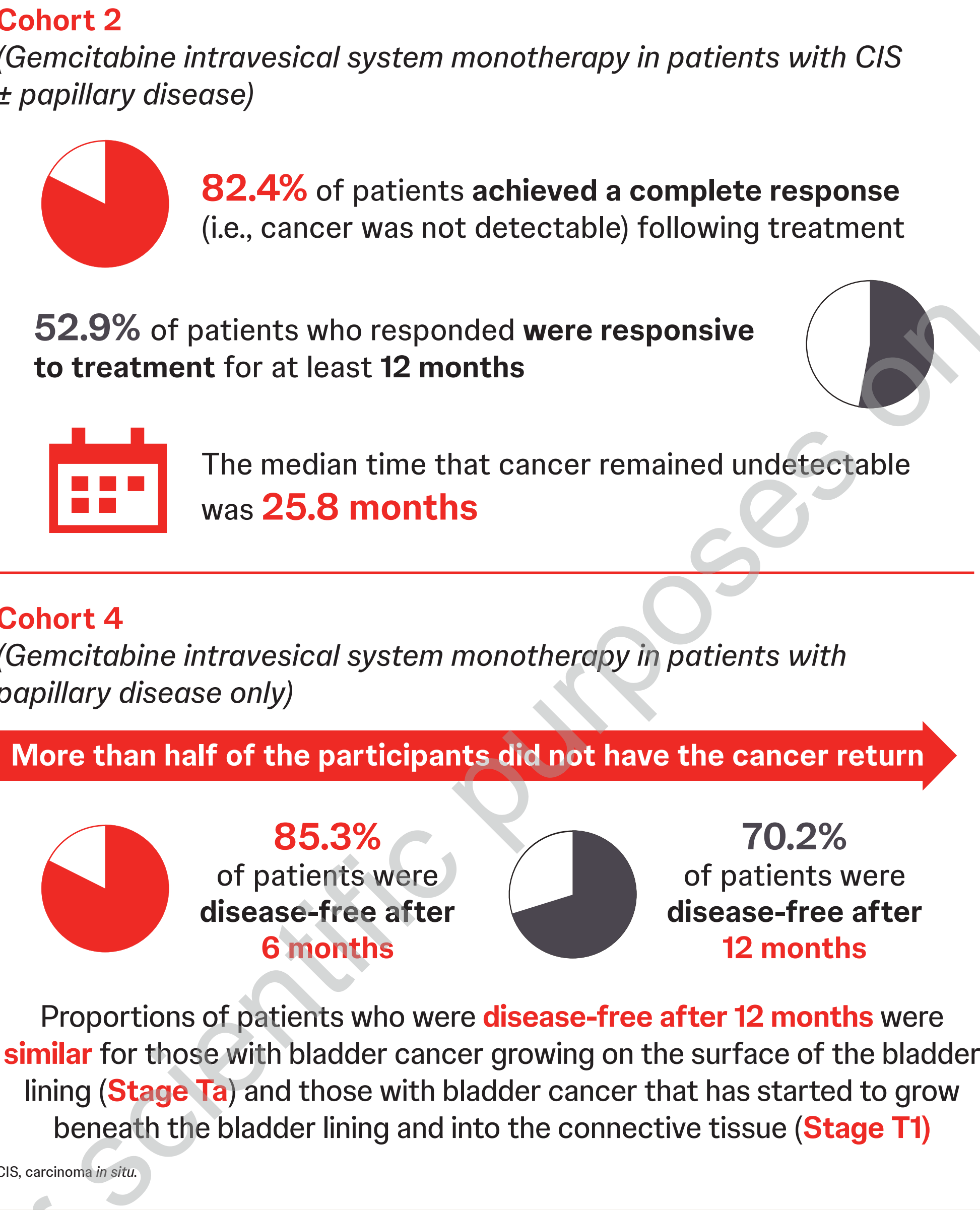
- Non–muscle-invasive bladder cancer (NMIBC) accounts for ~70% of all bladder cancer cases and ~50% of patients with high-risk (HR) NMIBC experience disease recurrence or progression on Bacillus Calmette-Guérin (BCG)<sup>1,2</sup>
- The standard of care for these patients is radical cystectomy (RC), a life-altering surgery with a high degree of morbidity and significant impacts on quality of life<sup>3,4</sup>
- Current treatment options for BCG-unresponsive HR NMIBC carcinoma *in situ* (CIS) have limited complete response rates and response durability<sup>5–7</sup>
- For patients with BCG-unresponsive HR NMIBC with only papillary disease, there are no approved treatments

### Gemcitabine intravesical system

- Gemcitabine intravesical system was recently approved by the FDA for BCG-unresponsive NMIBC with CIS ± papillary disease<sup>8–10</sup>**
  - A first-in-class intravesical drug-releasing system designed to provide sustained delivery of gemcitabine in the bladder
  - Inserted during brief in-office procedure, without need for general anesthesia, by any trained healthcare professional using co-packaged urinary catheter and stylet
  - Delivers 225 mg gemcitabine directly into the bladder over a 3-week indwelling period
  - Inserted once every 3 weeks for up to 6 months (8 doses), followed by once every 12 weeks for up to 18 months (6 doses); removed after each 3-week indwelling period
  - Patients can return home immediately after the procedure and there is no need to hold bladder after insertion
- Nurses and advanced practice providers (APPs)** play a crucial role in supporting patients receiving gemcitabine intravesical system treatment and managing adverse events (AEs)

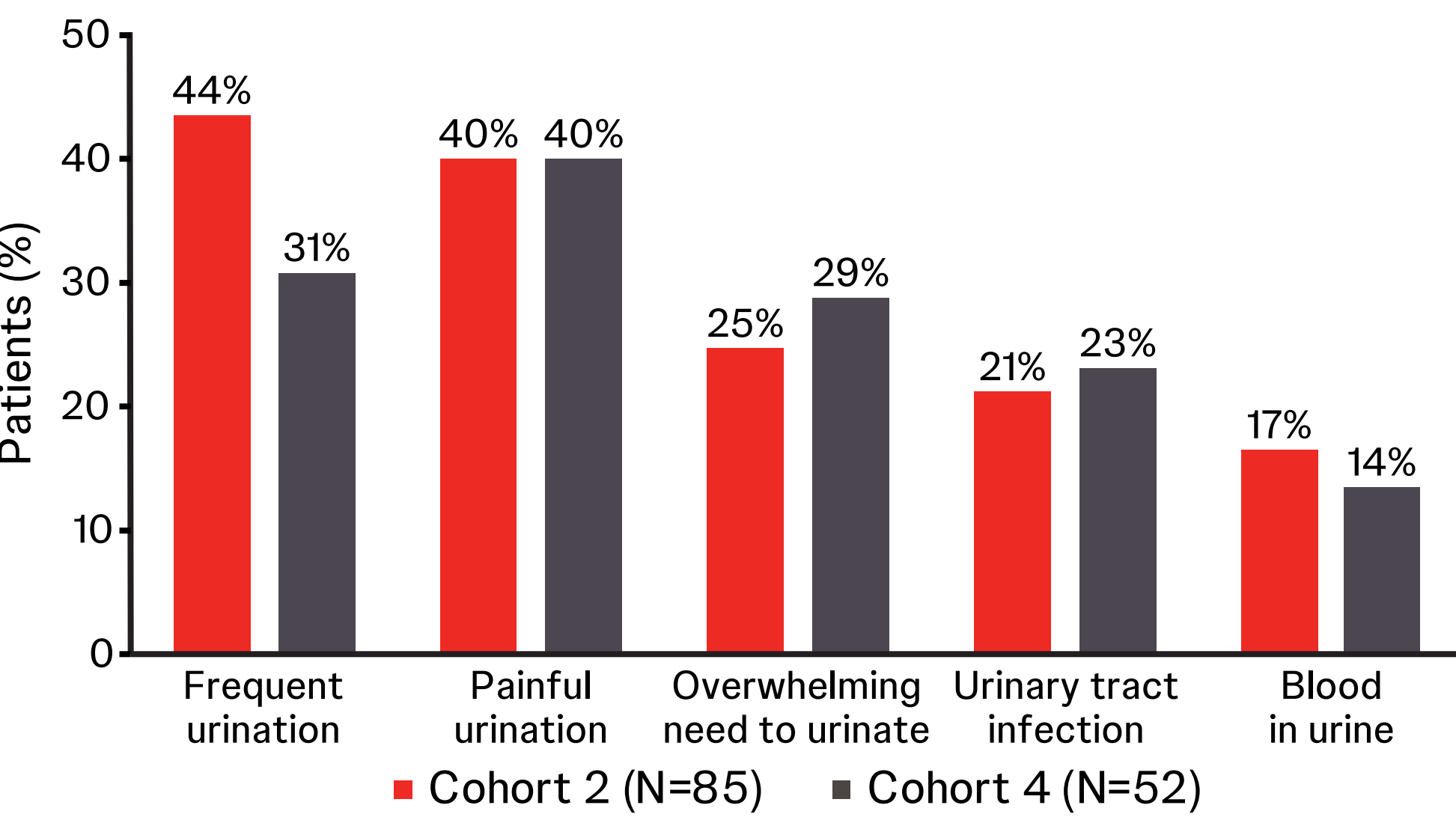
## Results

Figure 2: SunRISe-1 Cohort 2 and 4 key efficacy results<sup>9</sup>



- In **SunRISe-1 Cohort 2 and 4**, most side effects were **mild to moderate** symptoms of the lower urinary tract (Grade 1 or 2) that were **managed symptomatically** and of short duration (~3 weeks) (**Figure 3**)<sup>9</sup>
- There were **no deaths** that resulted from treatment in either cohort<sup>9</sup>

Figure 3: SunRISe-1 Cohort 2 and 4 common side effects (≥15%)<sup>9</sup>

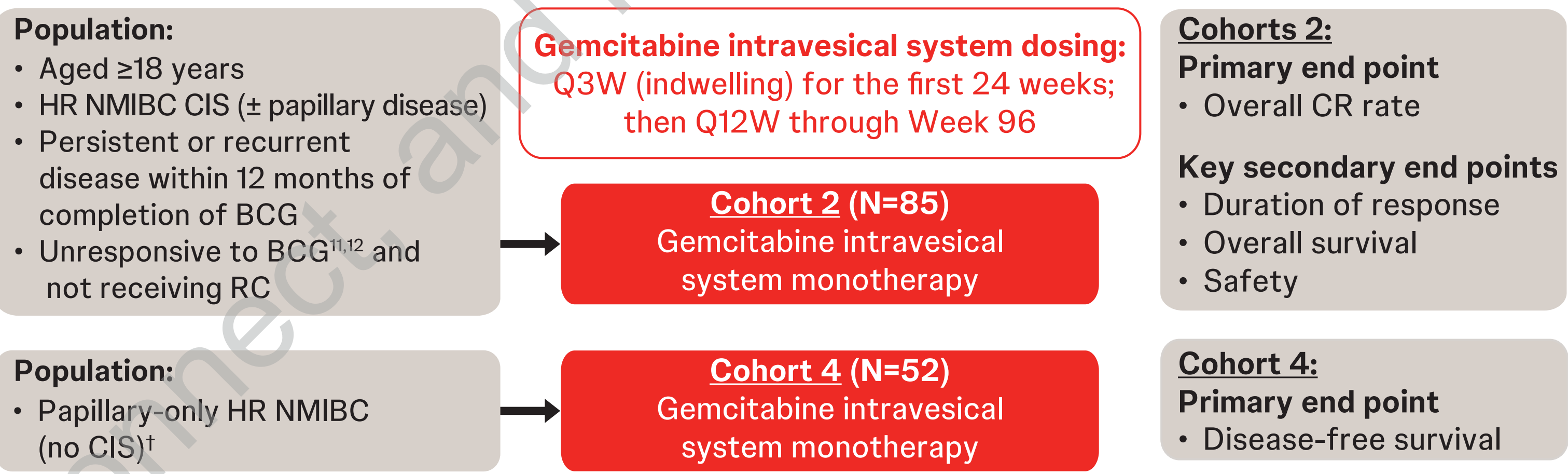


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## Methods

- SunRISe-1** (NCT04640623) is a Phase 2b study assessing gemcitabine intravesical system in patients with BCG-unresponsive HR NMIBC, ineligible for/refused RC (**Figure 1**)<sup>9</sup>
- Here we report:
  - Data in patients with CIS ± papillary disease (**Cohort 2**) and patients with papillary-only disease (**Cohort 4**)
  - Insights gathered from nurses and APPs with experience using gemcitabine intravesical system in the urology clinic during the SunRISe-1 trial

Figure 1: SunRISe-1 study schema\*



The clinical data cutoff was March 31, 2025.  
\*Cohort 1 (TAR200 + Cetrelimab [N=53]) and Cohort 3 (Cetrelimab monotherapy [N=28]) not presented here. <sup>†</sup>Patients with BCG-unresponsive papillary-only HR NMIBC (high-grade Ta, any T1) per protocol amendment. BCG, Bacillus Calmette-Guérin; CIS, carcinoma *in situ*; CR, complete response; HR, high-risk; NMIBC, non–muscle-invasive bladder cancer; Q3W, every 3 weeks; Q12W, every 12 weeks; RC, radical cystectomy.

Figure 4: Nurses and APPs facilitate the patient experience through patient education, coordination of care and AE management

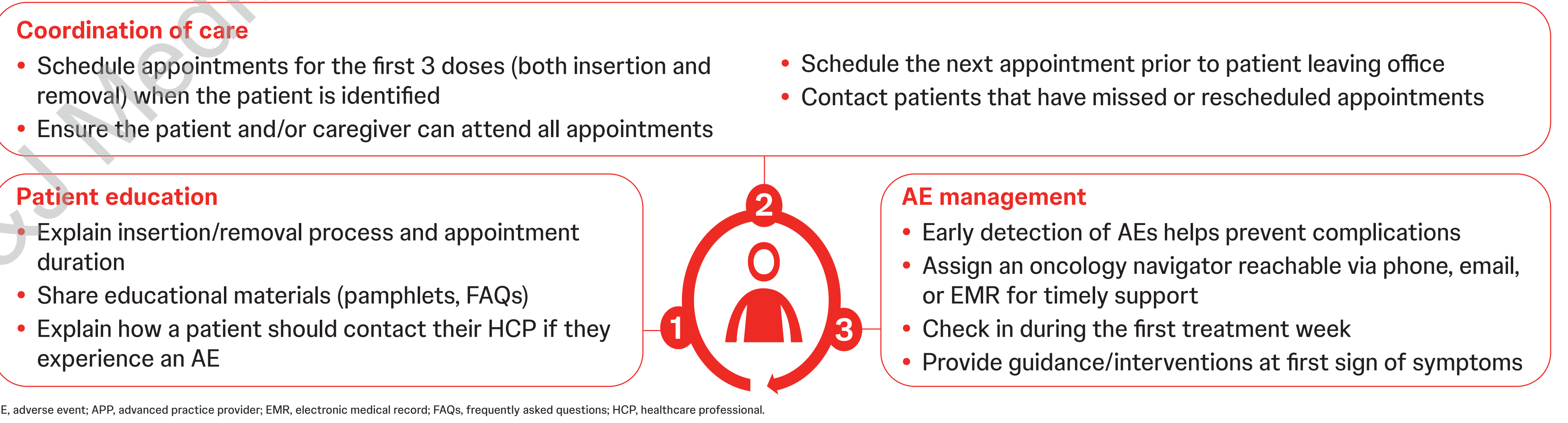


Figure 5: Roles and clinical practice experiences of nurses and APPs in the gemcitabine intravesical system patient journey

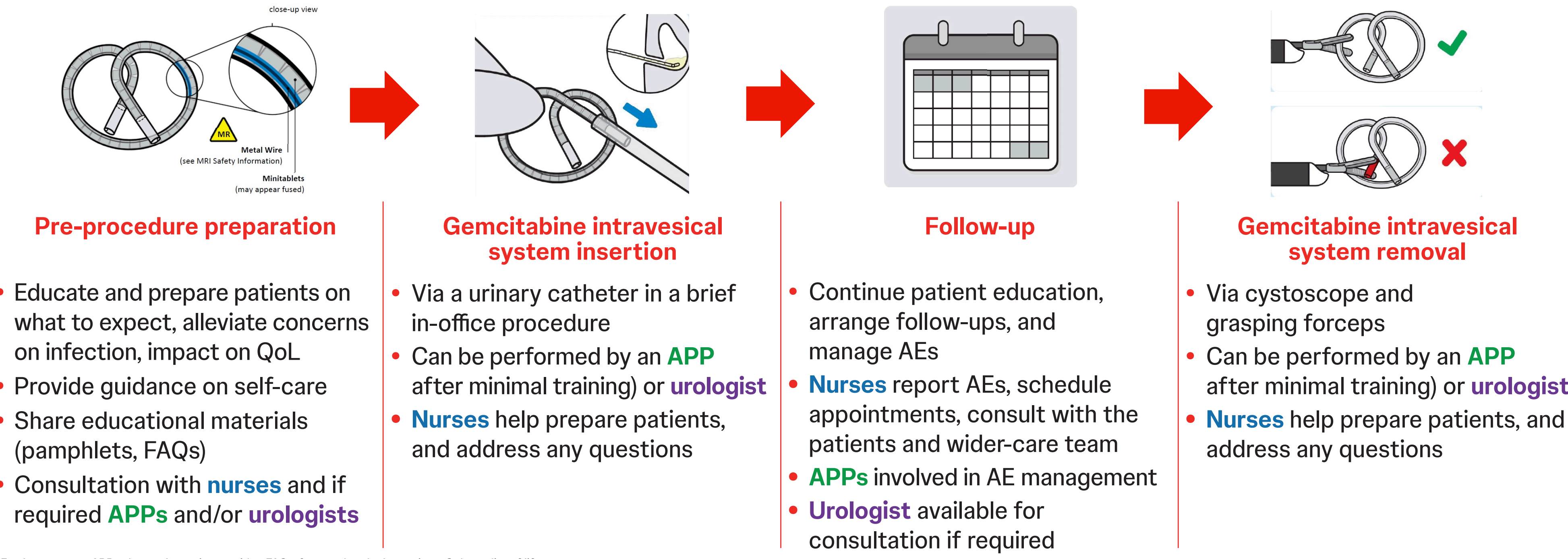
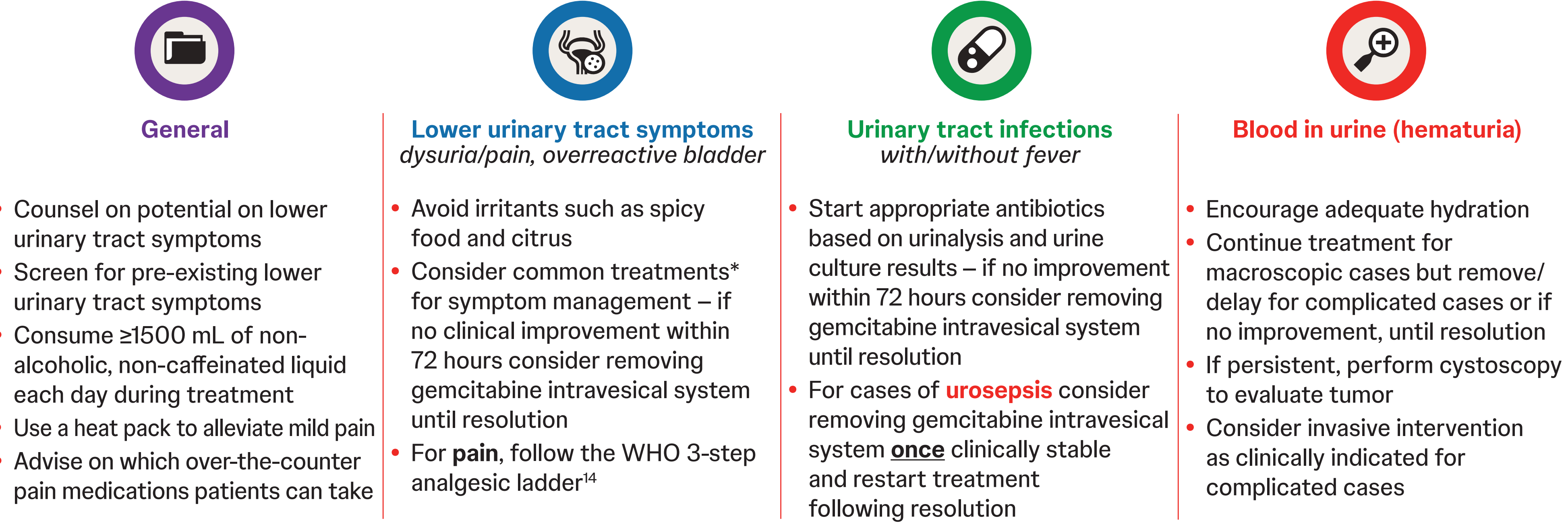


Figure 6: Gemcitabine intravesical system clinical management recommendations<sup>13</sup>



Urothelial Cancer

