# CENTER FOR DRUG EVALUATION AND RESEARCH

**APPLICATION NUMBER:** 

211728Orig1s000

**LABELING** 

HIGHLIGHTS OF PRESCRIBING INFORMATION
These highlights do not include all the information needed to use
JELMYTO safely and effectively. See full prescribing information
for JELMYTO.

 $JELMYTO^{\rm TM}$  (mitomycin) for pyelocalyceal solution Initial U.S. Approval: 1974

#### -----INDICATIONS AND USAGE -----

JELMYTO is an alkylating drug indicated for the treatment of adult patients with low-grade Upper Tract Urothelial Cancer (LG-UTUC). (1)

#### ----- DOSAGE AND ADMINISTRATION -----

- JELMYTO is for pyelocalyceal use only and <u>not</u> for intravenous use, topical use, or oral administration. (2.1)
- Administer 1.3 g of sodium bicarbonate orally the evening prior to, the morning of, and 30 minutes prior to instillation procedure (total of 3.9 g). (2.1)
- The dose of JELMYTO to be instilled is 4 mg per mL via ureteral catheter or nephrostomy tube, with total instillation volume based on volumetric measurements using pyelography, not to exceed 15 mL (60 mg of mitomycin). (2.2)
- Instill JELMYTO once weekly for six weeks. For patients with a complete response 3 months after JELMYTO initiation, JELMYTO instillations may be administered once a month for a maximum of 11 additional instillations. (2.2)

#### -----DOSAGE FORMS AND STRENGTHS -----

- For pyelocalyceal solution: A carton containing the following:
  - Two 40 mg (each) single-dose vials of mitomycin for pyelocalyceal solution (3)
  - One vial of 20 mL sterile hydrogel for reconstitution (3)

#### -----CONTRAINDICATIONS-----

• Perforation of the bladder or upper urinary tract. (4)

#### ------WARNINGS AND PRECAUTIONS -----

- Ureteric Obstruction: Ureteric obstruction may occur. Monitor
  patients for signs and symptoms of ureteric obstruction. Transient
  or long-term ureteral stents or alternative procedures may be
  required. Withhold or permanently discontinue JELMYTO based
  on the severity of the ureteric obstruction. (5.1)
- Bone Marrow Suppression: Thrombocytopenia and neutropenia may occur. Monitor blood counts. Withhold or permanently discontinue JELMYTO based on the severity. (5.2)
- Embryo-Fetal Toxicity: Can cause fetal harm. Advise of potential risk to a fetus and to use effective contraception. (5.3, 8.1, 8.3)

#### -----ADVERSE REACTIONS -----

The most common adverse reactions (≥ 20%) are ureteric obstruction, flank pain, urinary tract infection, hematuria, renal dysfunction, fatigue, nausea, abdominal pain, dysuria, and vomiting. (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact UroGen Pharma at 1-855-987-6436 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

-----USE IN SPECIFIC POPULATIONS-----

Lactation: Advise not to breastfeed. (8.2)

See 17 for PATIENT COUNSELING INFORMATION and FDA-approved patient labeling.

Revised: 04/2020

#### FULL PRESCRIBING INFORMATION: CONTENTS\*

- 1 INDICATIONS AND USAGE
- 2 DOSAGE AND ADMINISTRATION
  - 2.1 Important Administration Information
  - 2.2 Recommended Dosage
- 2.3 Preparation and Handling
- 3 DOSAGE FORMS AND STRENGTHS
- CONTRAINDICATIONS
- 5 WARNINGS AND PRECAUTIONS
  - 5.1 Ureteric Obstruction
  - 5.2 Bone Marrow Suppression
  - 5.3 Embryo-Fetal Toxicity
- 6 ADVERSE REACTIONS
  - 6.1 Clinical Trials Experience USE IN SPECIFIC POPULATIONS
  - 8.1 Pregnancy
  - 8.2 Lactation
  - 8.3 Females and Males of Reproductive Potential
  - 8.4 Pediatric Use
  - 8.5 Geriatric Use

8.6 Renal Impairment

- 11 DESCRIPTION
- 12 CLINICAL PHARMACOLOGY
  - 12.1 Mechanism of Action
  - 12.2 Pharmacodynamics
  - 12.3 Pharmacokinetics
- 13 NONCLINICAL TOXICOLOGY
  - 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility
- 14 CLINICAL STUDIES
- 15 REFERENCES
- 16 HOW SUPPLIED/STORAGE AND HANDLING
  - 16.1 How Supplied
  - 16.2 Storage and Handling
- 17 PATIENT COUNSELING INFORMATION

<sup>\*</sup>Sections or subsections omitted from the full prescribing information are not listed

#### **FULL PRESCRIBING INFORMATION**

#### 1 INDICATIONS AND USAGE

JELMYTO<sup>TM</sup> is indicated for the treatment of adult patients with low-grade Upper Tract Urothelial Cancer (LG-UTUC).

#### 2 DOSAGE AND ADMINISTRATION

#### 2.1 Important Administration Instructions

See the Instructions for Administration provided separately.

**JELMYTO** is for pyelocalyceal use only. JELMYTO is <u>not</u> for intravenous use, topical use, or oral administration. Prior to every instillation, instruct the patient to take 1.3 g of sodium bicarbonate orally the evening prior to, the morning of, and 30 minutes prior to the instillation procedure (total of 3.9 g).

General anesthesia, local anesthesia, sedation, prophylactic antibiotics and/or antihistamines may be used at the discretion of the treating urologist. If the patient is to be anesthetized, advise the patient not to take sodium bicarbonate within 30 minutes prior to the treatment.

Consider withholding diuretics one day prior to instillation until 4 hours post-instillation.

When instilling JELMYTO, the entire syringe must be emptied within one minute.

Advise patients that JELMYTO may discolor urine to a violet to blue color following the instillation procedure. Advise patients to avoid contact with urine for at least six hours post-instillation, to void urine sitting on a toilet, and to flush the toilet several times after use.

#### 2.2 Recommended Dosage

The dose of JELMYTO to be instilled is 4 mg per mL via ureteral catheter or a nephrostomy tube, with total instillation volume based on volumetric measurements using pyelography, not to exceed 15 mL (60 mg of mitomycin).

Instill JELMYTO once weekly for six weeks. For patients with a complete response 3 months after JELMYTO initiation, JELMYTO instillations may be administered once a month for a maximum of 11 additional instillations.

#### 2.3 Preparation and Handling

See the Instructions for Pharmacy for preparation provided separately.

JELMYTO is a cytotoxic drug. Follow applicable special handling and disposal procedures.<sup>1</sup>

JELMYTO must be prepared under chilled conditions. Once reconstituted, the admixture will have a concentration of 4 mg of mitomycin per mL and will appear as a viscous liquid for instillation. Reconstituted JELMYTO has reverse thermal properties with a gelation point of approximately 19°C (66°F). Reconstituted JELMYTO should be instilled as soon as possible after reconstitution. If immediate instillation is not possible store reconstituted JELMYTO at 20°C to 25°C (68°F to 77°F) for

up to 8 hours. JELMYTO will appear as a semisolid gel when stored under these conditions. Protect reconstituted JELMYTO from light.

JELMYTO must be instilled as a chilled solution using a Uroject12 Lever, a Luer lock syringe, and a ureteral catheter with molded Luer lock connector. Once chilled at -3°C to 5°C (27°F to 41°F), JELMYTO will convert to a viscous liquid for instillation and is stable for up to 1 additional hour. Reconstituted JELMYTO must be instilled within 1 hour after it is converted to a viscous liquid.

#### 3 DOSAGE FORMS AND STRENGTHS

For pyelocalyceal solution: A single-dose carton containing the following:

- Two 40 mg (each) single-dose vials of sterile, lyophilized, grey to greyish-purple, cake or powder of mitomycin for pyelocalyceal solution
- One single-dose vial of 20 mL of sterile, clear, colorless, gel with or without bubbles at room temperature or clear, colorless liquid at 2°C to 8°C (36°F to 46°F), to be used as a vehicle for reconstitution

#### 4 CONTRAINDICATIONS

JELMYTO is contraindicated in patients with:

• perforation of the bladder or upper urinary tract.

#### 5 WARNINGS AND PRECAUTIONS

#### 5.1 Ureteric Obstruction

Ureteric obstruction, including ureteral stenosis and hydronephrosis, occurred in patients receiving JELMYTO.

In the OLYMPUS study, ureteric obstruction was reported in 58% (n=41) of patients receiving JELMYTO, including 17% (n=12) of patients who experienced Grade 3 obstruction. The median time to first onset was 72 days (range: 15-462). Interventions in the 41 patients experiencing ureteric obstruction included ureteral stent placement (88%), balloon dilatation (32%), and nephroureterectomy (4.9%). In the 36 patients who required ureteral stent placement, the median duration of indwelling stents was 51 days (range: 1-292). Ureteric obstruction did not resolve or resolved with sequelae in 51% (n=21) of these patients. Of the 41 patients who experienced ureteric obstruction, 17% (n=7) experienced Grades 1-2 increase in serum creatinine.

In the 42 patients who only received JELMYTO during the treatment phase (no maintenance therapy), ureteric obstruction was reported in 40% (n=17).

Monitor patients for signs and symptoms of ureteric obstruction, including flank pain, and fever, and for changes in renal function. Patients who experience obstruction may require transient or long-term

ureteral stents or alternative procedures. Withhold or permanently discontinue JELMYTO based on the severity of ureteric obstruction.

#### 5.2 Bone Marrow Suppression

The use of JELMYTO can result in bone marrow suppression, particularly thrombocytopenia and neutropenia. In the OLYMPUS study, Grade 3 thrombocytopenia occurred in two patients and Grade 3 neutropenia in one patient. Gross extravasation of JELMYTO via urinary tract perforation or impaired mucosa was not observed in these patients. The following tests should be obtained prior to each treatment: Platelet count, white blood cell count differential and hemoglobin. Withhold JELMYTO for Grade 2 thrombocytopenia or neutropenia. Permanently discontinue for Grade 3 or greater thrombocytopenia or neutropenia.

#### 5.3 Embryo-Fetal Toxicity

Based on findings in animals and mechanism of action, JELMYTO can cause fetal harm when administered to a pregnant woman. In animal reproduction studies, administration of mitomycin resulted in teratogenicity. Advise females of reproductive potential to use effective contraception during treatment with JELMYTO and for 6 months following the last dose. Advise male patients with female partners of reproductive potential to use effective contraception during treatment with JELMYTO and for 3 months following the last dose [see Use in Specific Populations (8.1, 8.3) and Clinical Pharmacology (12.1)].

#### 6 ADVERSE REACTIONS

The following clinically significant adverse reactions are discussed in greater detail in other sections of the labeling:

- Ureteric Obstruction [see Warnings and Precautions (5.1)]
- Bone Marrow Suppression [see Warnings and Precautions (5.2)]

#### 6.1 Clinical Trials Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect rates observed in practice.

The safety of JELMYTO was evaluated in OLYMPUS, an open-label, single-arm study in 71 patients with LG-UTUC [see Clinical Studies (14)]. For the 71 patients treated with JELMYTO during the treatment period, the median number of instillations was 6 (range: 3-6). Following initial treatment, 29 patients were treated with up to 11 doses of maintenance instillations, with a median of 6 instillations (range: 0-11).

Serious adverse reactions occurred in 37% of patients who received JELMYTO. Serious adverse reactions in > 3% of patients included ureteric obstruction (including ureteric stenosis and hydronephrosis), flank pain, and urosepsis. Two deaths occurred due to cerebrovascular accident and failure to thrive.

JELMYTO was permanently discontinued due to an adverse reaction in 16 (23%) patients, including 11 patients who discontinued during the treatment phase and 5 who discontinued during the maintenance

phase. Adverse reactions resulting in study drug discontinuation of JELMYTO in > 3% of patients who received JELMYTO included ureteric obstruction.

Dosage interruptions due to an adverse reaction occurred in 34% of patients who received JELMYTO. Adverse reactions requiring dosage interruption in > 3% of patients who received JELMYTO included renal dysfunction, ureteric obstruction, urinary tract infection, and flank pain.

The most common adverse reactions ( $\geq 20\%$ ) reported were ureteric obstruction, flank pain, urinary tract infection, hematuria, renal dysfunction, fatigue, nausea, abdominal pain, dysuria, and vomiting.

Table 1 summarizes the adverse reactions in OLYMPUS.

Table 1: Adverse Reactions (≥ 10% All Grades) in Patients Who Received JELMYTO in OLYMPUS

| Adverse Reaction                                     |                                       | JELMYTO*<br>(n=71) |  |
|--|---------------------------------------|--------------------|--|
|  | All Grades (%)                        | Grade $\geq 3$ (%) |  |
| Renal and urinary disorders                          |                                       |                    |  |
| Ureteric Obstruction <sup>a</sup>                    | 58                                    | 17                 |  |
| Ureteric stenosis                                    | 44                                    | 8                  |  |
| Hydronephrosis                                       | 18                                    | 6                  |  |
| Pelvi-ureteric obstruction                           | 6                                     | 1.4                |  |
| Urinary tract obstruction                            | 6                                     | 1.4                |  |
| Ureteric obstruction                                 | 2.8                                   | 1.4                |  |
| Obstructive uropathy                                 | 1.4                                   | 0                  |  |
| Flank pain <sup>b</sup>                              | 39                                    | 2.8                |  |
| Urinary tract infection <sup>c</sup>                 | 34                                    | 4.2                |  |
| Hematuria <sup>d</sup>                               | 32                                    | 2.8                |  |
| Renal dysfunction <sup>e</sup>                       | 25                                    | 2.8                |  |
| Dysuria  | 21                                    | 0                  |  |
| Pollakiuria  | 13                                    | 0                  |  |
| Gastrointestinal disorders                           | ·                                     |                    |  |
| Nausea   | 24                                    | 1.4                |  |
| Abdominal pain <sup>f</sup>                          | 23                                    | 1.4                |  |
| Vomiting   | 20                                    | 4.2                |  |
| General disorders and administration site conditions | ·                                     |                    |  |
| Fatigue <sup>g</sup>                                 | 24                                    | 1.4                |  |
| Chills   | 11                                    | 0                  |  |
| Pyrexia  | 11                                    | 0                  |  |
| Blood and lymphatic system disorders                 |                                       |                    |  |
| Anemia   | 13                                    | 0                  |  |
| Skin and subcutaneous tissue disorders               |                                       |                    |  |
| Pruritus   | 13                                    | 0                  |  |
|  | · · · · · · · · · · · · · · · · · · · |                    |  |

<sup>\*</sup> Graded per National Cancer Institute Common Terminology Criteria for Adverse Events. Version 5.0 (NCI CTCAE v5)

<sup>&</sup>lt;sup>a</sup> Includes hydronephrosis, obstructive uropathy, pelvi-ureteric obstruction, ureteric obstruction, ureteric stenosis, and urinary tract obstruction.

<sup>&</sup>lt;sup>b</sup> Includes flank pain and back pain.

<sup>&</sup>lt;sup>c</sup> Includes urinary tract infection, pyelonephritis, and urinary tract infection fungal.

<sup>&</sup>lt;sup>d</sup> Includes hematuria and hemorrhage urinary tract.

<sup>&</sup>lt;sup>e</sup> Includes renal impairment, acute kidney injury, and renal failure.

f Includes abdominal pain and abdominal pain lower.

g Includes asthenia and fatigue.

Selected clinically relevant adverse reactions in < 10% and  $\geq$  2% of patients who received JELMYTO in OLYMPUS include urinary tract inflammation, bladder spasm, urosepsis, hypersensitivity, and instillation site pain.

Table 2 summarizes the laboratory abnormalities in OLYMPUS.

Table 2: Select Laboratory Abnormalities (> 10%) Worsening from Baseline in Patients Who Received JELMYTO in OLYMPUS

| Laboratory Abnormality*              | JELMYTO        |                       |
|--------------------------------------|----------------|-----------------------|
|                                      | All Grades (%) | <b>Grades ≥ 3 (%)</b> |
| Hematology                           |                |                       |
| Anemia                               | 37             | 0                     |
| Lymphopenia                          | 21             | 2.9                   |
| Thrombocytopenia                     | 21             | 2.8                   |
| Chemistry                            |                |                       |
| Estimated Glomerular Filtration Rate | 37             | 10                    |
| Creatinine Increased                 | 32             | 0                     |
| Hypoalbuminemia                      | 30             | 2.8                   |
| Hypocalcemia                         | 17             | 0                     |
| Hyperuricemia                        | 16             | 16                    |
| Hyperkalemia                         | 13             | 1.4                   |

<sup>\*</sup>Each test incidence is based on the number of patients who had both baseline and at least one on-study laboratory measurement available.

#### 8 USE IN SPECIFIC POPULATIONS

#### 8.1 Pregnancy

#### Risk Summary

Based on findings in animals and mechanism of action, JELMYTO can cause fetal harm when administered to a pregnant woman [see Clinical Pharmacology (12.1)]. There are no available data on JELMYTO use in pregnant women to inform the drug-associated risk. In animal reproduction studies, administration of mitomycin resulted in teratogenicity (see Data). Advise pregnant women of the potential risk to a fetus.

The estimated background risk of major birth defects and miscarriage for the indicated population is unknown. In the U.S. general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2% - 4% and 15% - 20%, respectively.

#### **Data**

Animal Data

Teratological changes have been noted with mitomycin in animal studies.

#### 8.2 Lactation

#### Risk Summary

There are no data on the presence of mitomycin in human milk, the effects on the breastfed child, or the effects on milk production. Because of the potential for serious adverse reactions in a breastfed child,

advise women not to breastfeed during treatment with JELMYTO and for 1 week following the last dose.

#### 8.3 Females and Males of Reproductive Potential

JELMYTO can cause fetal harm when administered to pregnant women [see Use in Specific Populations (8.1)].

#### **Pregnancy Testing**

Verify pregnancy status in females of reproductive potential prior to initiating JELMYTO.

#### Contraception

**Females** 

Advise females of reproductive potential to use effective contraception during treatment with JELMYTO and for 6 months following the last dose.

Males

Advise male patients with female partners of reproductive potential to use effective contraception during treatment with JELMYTO and for 3 months following the last dose.

#### 8.4 Pediatric Use

Safety and efficacy in pediatric patients have not been established.

#### 8.5 Geriatric Use

Of the total number of patients in the OLYMPUS trial, 75% (53 patients) were 65 years of age and over and 37% (26 patients) were 75 year of age and over. Clinical studies of JELMYTO did not include sufficient numbers of younger patients less than 65 years old to determine whether they respond differently from older patients.

#### 8.6 Renal Impairment

No data are available in patients with severe renal impairment. Avoid use of JELMYTO in patients with a Glomerular Filtration Rate of < 30 mL/min.

#### 11 DESCRIPTION

Mitomycin (also known as mitomycin-C) is an alkylating drug isolated from the broth of *Streptomyces caespitosus*. Mitomycin is a blue-violet crystalline powder with a molecular formula of  $C_{15}H_{18}N_4O_5$ , and a molecular weight of 334.33. Its chemical name is 7-amino-9 $\alpha$ -methoxymitosane and it has the following structural formula:

Mitomycin is heat stable, has a high melting point, and is freely soluble in organic solvents.

JELMYTO is supplied in a single-dose carton containing two vials of sterile lyophilized mitomycin for pyelocalyceal solution, 40 mg each, and one vial of 20 mL of sterile hydrogel, to be used as a vehicle for reconstitution.

Mitomycin for pyelocalyceal solution is a sterile, lyophilized, grey to greyish-purple, cake or powder that contains mitomycin 40 mg and mannitol 80 mg in each vial.

Sterile hydrogel is a sterile, clear, colorless, gel with or without bubbles at room temperature or clear, colorless liquid at 2°C to 8°C (36°F to 46°F), which contains 0.04 g hydroxypropyl methylcellulose, 5.67 g poloxamer, 0.21 g polyethylene glycol, and water for injection in each vial.

Once reconstituted, JELMYTO is a clear, purple, viscous liquid at 2°C to 8°C (36°F to 46°F) or semisolid gel at room temperature with a concentration of 4 mg per mL of mitomycin, which may contain a few visible particles and have a pH between 6.0 and 8.0.

#### 12 CLINICAL PHARMACOLOGY

#### 12.1 Mechanism of Action

Mitomycin inhibits the synthesis of deoxyribonucleic acid (DNA). The guanine and cytosine content correlates with the degree of mitomycin-induced cross-linking. At high concentrations of the drug, cellular RNA and protein synthesis are also suppressed.

#### **12.2 Pharmacodynamics**

There is insufficient data to characterize an exposure-response relationship or time course of pharmacodynamic response for mitomycin.

#### 12.3 Pharmacokinetics

#### <u>Absorption</u>

The systemic exposure of mitomycin following instillation of up to 60 mg of mitomycin as JELMYTO into the pyelocalyceal system was evaluated pre-instillation and hourly for up to six hours post-instillation in six patients. The concentrations of mitomycin in plasma were variable and ranged from 2.43 to 12.80 ng/mL over the course of treatment; the mean  $C_{max}$  was 6.24 ng/mL, which is estimated to be less than 1% of the expected  $C_{max}$  after intravenous administration.

#### Elimination

Following instillation into the pyelocalyceal system, JELMYTO forms a semisolid gel which dissolves from normal kidney urine flow releasing mitomycin for up to 4 to 6 hours. Mitomycin is eliminated unchanged in the urine. Systemically absorbed mitomycin is rapidly cleared from the serum and approximately 10% is excreted unchanged in the urine.

#### Metabolism

Mitomycin is metabolized primarily in the liver, but metabolism occurs in other tissues as well. It is believed that the rate of clearance is inversely proportional to the maximal serum concentration because of saturation of the degradative pathways.

#### 13 NONCLINICAL TOXICOLOGY

#### 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Adequate long-term studies in animals to evaluate carcinogenic potential from instillation of mitomycin into the pyelocalyceal system have not been conducted. Mitomycin has been found to be carcinogenic in rats and mice. At doses approximating the recommended intravenous clinical dose in humans, mitomycin produced a greater than 100% increase in tumor incidence in male Sprague-Dawley rats, and a greater than 50% increase in tumor incidence in female Swiss mice.

The effect of JELMYTO on fertility is unknown.

#### 14 CLINICAL STUDIES

The efficacy of JELMYTO is based on the results of the ongoing study OLYMPUS (NCT02793128), an open-label, single-arm, multicenter trial that enrolled 71 patients with treatment-naïve or recurrent non-invasive low-grade upper tract urothelial cancer (LG-UTUC) with at least one measurable papillary tumor 5 to  $\leq$  15 mm located above the ureteropelvic junction; patients who had larger tumors could have had tumor debulking prior to treatment, in order to meet the criteria. Patients were excluded from the trial for a history of carcinoma in situ (CIS) in the urinary tract, invasive urothelial carcinoma within 5 years, high grade papillary urothelial carcinoma within 2 years; or for BCG treatment within 6 months of JELMYTO treatment. Following biopsy and prior to treatment, patients were required to have at least one remaining visible tumor with a diameter of at least 5 mm.

Patients received JELMYTO 4 mg per mL via ureteral catheter or nephrostomy tube with total instillation volume based on individualized volumetric measurements using pyelography with the intent to fill the renal pelvis. Patients were treated with 6 instillations once a week. Patients who maintained a complete response (CR) after the initial treatment period were allowed to proceed to the follow-up period. During the initial treatment period, 71 patients were treated with JELMYTO, of whom 41 were subsequently continued in the follow-up period. During the follow-up period, 29 patients received at least one dose of maintenance therapy.

The baseline demographic and disease characteristics for the trial population were: median age 71 years (range: 42-87 years); 68% male; 87% White; 90% Eastern Cooperative Oncology Group Performance Status (ECOG PS) 0 or 1 and 10% ECOG PS 2. The median number of papillary lesions subsequent to debulking and/or biopsy and prior to treatment was 1 lesion (range: 1, 5), the median diameter of the largest lesion was 8.0 mm (range: 5.0, 15.0), and the median total visible tumor burden was 10.0 mm (range: 5.0, 25.0). Twenty-six (37%) patients underwent tumor debulking during the six weeks

preceding enrollment. Of 71 enrolled patients, 48% had tumors located in regions not amenable to endoscopic resection. General anesthesia was used in 37% of patients for at least one instillation during the treatment period and for 61% of patients for at least one instillation during the follow-up period.

The major efficacy outcome measures were CR and durability of CR at 12 months after determination of CR based on ureteroscopic and local pathology assessment. CR was defined as complete absence of tumor lesions at 3 months after initiation of JELMYTO by urine cytology and ureteroscopy. Biopsy was performed if warranted. Durability of response in patients with a CR was evaluated at 3, 6, 9 and 12 months following the initial assessment. Assessment of durability of CR subsequent to these evaluations was performed per local standards of care.

Forty-one patients achieved CR in the study. At the 12-month time point for assessment of durability, 19 remained in CR, 7 had experienced recurrence of disease, and 9 patients continued to be followed for the 12-month duration of response. Efficacy results are provided in Table 3.

**Table 3: Efficacy Results for OLYMPUS** 

| Efficacy Parameter                                      | JELMYTO<br>N=71        |
|---|------------------------|
| Complete Response (CR) <sup>a</sup> , n (%) (95% CI)    | 41 (58%)<br>(45%, 69%) |
| Duration of Response                                    | N=41                   |
| Median duration of response in months (range)           | NR (0, 18.8+)          |
| Patients remaining in CR at 12-month visit <sup>b</sup> | 19 (46%)               |

NR = not reached

#### 15 REFERENCES

1. "OSHA Hazardous Drugs." OSHA. http://www.osha.gov/SLTC/hazardousdrugs/index.html

#### 16 HOW SUPPLIED/STORAGE AND HANDLING

#### 16.1 How Supplied

JELMYTO single-dose carton – NDC 72493-103-03

A carton containing the following:

- Two 40 mg (each) single-dose vials of mitomycin for pyelocalyceal solution supplied as a sterile, lyophilized, grey to greyish-purple, cake or powder. (NDC 72493-101-40)
- One 20 mL single-dose vial of sterile hydrogel supplied as a sterile, clear, colorless, gel with or without bubbles at room temperature or clear, colorless liquid at 2°C to 8°C (36°F to 46°F), to be used as a vehicle for reconstitution. (NDC 72493-102-20)

<sup>&</sup>lt;sup>a</sup> CR = Complete absence of tumor lesions at 3 months after initiation of treatment.

<sup>&</sup>lt;sup>b</sup> 12 months  $\pm$  2 weeks from CR evaluation.

<sup>+</sup> denotes ongoing response.

#### 16.2 Storage and Handling

Store the JELMYTO carton at 20°C to 25°C (68°F to 77°F); excursions permitted between 15°C and 30°C (59°F and 86°F) [see USP Controlled Room Temperature]. Avoid excessive heat over 40°C (104°F).

JELMYTO is a cytotoxic drug. Follow applicable special handling and disposal procedures.<sup>1</sup>

#### 17 PATIENT COUNSELING INFORMATION

Advise the patient to read the FDA-approved patient labeling (Patient Information).

#### **Ureteric Obstruction**

Inform patients that ureteric obstruction may occur, and ureteral stents or alternative procedures may be required during treatment with JELMYTO. Advise patients to contact their healthcare provider immediately if signs and symptoms of ureteric obstruction, including flank pain and/or fever, occur [see Warnings and Precautions (5.1)].

#### **Bone Marrow Suppression**

Inform patients that JELMYTO may decrease blood counts such as white blood cells and platelets. Thus, it is important that periodic assessment of their blood count be performed to detect the development of neutropenia and thrombocytopenia [see Warnings and Precautions (5.2)].

#### Embryo-Fetal Toxicity

Advise pregnant women and females of reproductive potential of the potential risk to a fetus. Advise females to inform their healthcare providers of a known or suspected pregnancy [see Warnings and Precautions (5.3) and Use in Specific Population (8.1)].

Advise females of reproductive potential to use effective contraception during treatment with JELMYTO and for 6 months following the last dose [see Use in Specific Populations (8.3)].

Advise male patients with female partners of reproductive potential to use effective contraception during treatment with JELMYTO and for 3 months following the last dose [see Use in Specific Populations (8.3)].

#### Lactation

Advise women not to breastfeed during treatment with JELMYTO and for 1 week following the last dose [see Use in Specific Populations (8.2)].

Important Post-Treatment Instructions [see Dosage and Administration (2.1)].

Advise patients that JELMYTO contains mitomycin which is a violet to blue color and may discolor urine following the instillation procedure.

Advise patients to avoid contact with urine for at least six hours post-instillation.

Advise patients to void sitting on a toilet, flush the toilet several times after use, and to wash hands, perineum or glans with soap and water after each instillation procedure.

Advise patients to wash clothing soiled with urine promptly and separately from other clothing.

Distributed by:

#### UroGen Pharma, Inc.

Princeton, NJ 08540

U.S. Patent Nos. 9,040,074 and 9,950,069

JELMYTO<sup>TM</sup> and UroGen<sup>®</sup> are trademarks of UroGen Pharma.

Copyright © 2020 UroGen Pharma, Inc. All rights reserved. JEL-PI-001

# Patient Information JELMYTO™ (jel-MYE-toe) (mitomycin) for pyelocalyceal solution

#### What is JELMYTO?

JELMYTO is a prescription medicine used to treat adults with a type of cancer of the lining of the upper urinary tract including the kidney called low-grade Upper Tract Urothelial Cancer (LG-UTUC).

It is not known if JELMYTO is safe and effective for use in children.

#### Who should not receive JELMYTO?

Do not receive JELMYTO if you have a hole or tear (perforation) of your bladder or upper urinary tract.

#### Before receiving JELMYTO, tell your healthcare provider about all your medical conditions, including if you:

are pregnant or plan to become pregnant. JELMYTO can harm your unborn baby. You should not become
pregnant during treatment with JELMYTO. Tell your healthcare provider right away if you become pregnant or think
you may be pregnant during treatment with JELMYTO.

#### Females who are able to become pregnant:

- Your healthcare provider will check to see if you are pregnant before starting treatment with JELMYTO.
- You should use effective birth control (contraception) during treatment with JELMYTO and for 6 months after the last dose.
- Talk to your healthcare provider if you have questions about birth control options that are right for you.

#### Males being treated with JELMYTO:

- o If you have a female partner who is able to become pregnant, you should use effective birth control (contraception) during treatment with JELMYTO and for 3 months after the last dose.
- are breastfeeding or plan to breastfeed. It is not known if JELMYTO passes into your breast milk. Do not breastfeed during treatment with JELMYTO and for 1 week after the last dose.

**Tell your healthcare provider about all the medicines your take**, including prescription and over-the-counter medicines, vitamins, and herbal supplements. Know the medicines you take. Keep a list of them to show to your healthcare provider and pharmacist when you get a new medicine.

Especially tell your healthcare provider if you take water pills (diuretic).

#### How will I receive JELMYTO?

- Your healthcare provider will tell you to take a medicine called sodium bicarbonate before each JELMYTO treatment. Your healthcare provider will provide instructions about how and when to take this.
- JELMYTO will be given to you by your healthcare provider.
- You will receive JELMYTO 1 time a week for 6 weeks. It is important that you receive all 6 doses of JELMYTO
  according to your healthcare provider's instructions. If you miss any appointments, call your healthcare provider as
  soon as possible to reschedule your appointment. Your healthcare provider may recommend up to an additional 11
  monthly doses.
- JELMYTO is given to your kidney through a tube called a catheter.
- During treatment with JELMYTO, your healthcare provider may tell you to take additional medicines or change how you take your current medicines. Ask your healthcare provider if you have any questions.

#### After receiving JELMYTO:

- JELMYTO may cause your urine color to change to a violet to blue color.
- Avoid contact between your skin and urine for at least 6 hours.
- To urinate, males and females should sit on a toilet and flush the toilet several times after you use it.
- After going to the bathroom, wash your hands, your inner thighs, and genital area well with soap and water.
- Clothing that comes in contact with urine should be washed right away and washed separately from other clothing.

#### What are the possible side effects of JELMYTO?

#### JELMYTO may cause serious side effects, including:

- Swelling and narrowing of the tube that carries urine from the kidney to the bladder (ureteric obstruction). If you develop swelling and narrowing, and to protect your kidney from damage, your healthcare provider may recommend the placement of a small plastic tube (stent) in the ureter to help the kidney drain. Tell your healthcare provider right away if you develop side pain or fever during treatment with JELMYTO.
- Bone marrow problems. JELMYTO can affect your bone marrow and can cause a decrease in your white blood cell, red blood cell, and platelet counts. Your healthcare provider will do blood tests prior to each treatment to check your blood cell counts during treatment with JELMYTO. Your healthcare provider may need to temporarily or permanently stop JELMYTO if you develop bone marrow problems during treatment with JELMYTO.

#### The most common side effects of JELMYTO include:

- side pain
- urinary tract infection
- blood in your urine
- kidney problems
- tiredness

- stomach pain
- nausea
- trouble with urination

- vomiting
- low red blood cell count
- frequent urination
- itching
- chills
- fever

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088. You can also report side effects to UroGen Pharma at 1-855-987-6436.

#### General information about JELMYTO.

Medicines are sometimes prescribed for purposes other than those listed in this Patient Information leaflet. You can ask your pharmacist or healthcare provider for information about JELMYTO that is written for healthcare professionals.

#### What are the ingredients of JELMYTO?

Active ingredient: mitomycin

Inactive ingredients: hydroxypropyl methylcellulose, mannitol, poloxamer, polyethylene glycol, and water for injection

#### Distributed by:

UroGen Pharma, Inc. Princeton, NJ 08540

JELMYTO™ and UroGen® are trademarks of UroGen Pharma, Ltd.

U.S. Patent Nos. 9,040,074 and 9,950,069

Copyright© 2020 UroGen Pharma, Inc.

All rights reserved.

JEL-PPI-001

For more information go to www.JELMYTO.com or call 1-855-987-6436.

This Patient Information has been approved by the U.S. Food and Drug Administration. Issued: April 2020

Reference ID: 4592355

# INSTRUCTIONS FOR PHARMACY (IFP) JELMYTO™ (jel-MYE-toe) (mitomycin) for pyelocalyceal solution

### **Purpose of this Instructions for Pharmacy**

This Instructions for Pharmacy contains information on how to prepare JELMYTO using pharmacy supplies and the UroGen Pharma Chilling Block.

#### **Intended Use of JELMYTO**

JELMYTO (mitomycin) for pyelocalyceal solution is indicated for the treatment of adult patients with low-grade Upper Tract Urothelial Cancer (LG-UTUC).

# Important Information You Need to Know Before Reconstituting JELMYTO

Once reconstituted with sterile hydrogel, JELMYTO will appear as a semisolid gel. Once chilled, JELMYTO will convert to a viscous liquid.

Reconstituted JELMYTO must be prepared under chilled conditions. A UroGen Pharma Chilling Block can be used for this purpose. JELMYTO cannot be prepared without the Chilling Block or other means of chilling.

Preparation of JELMYTO must be performed under aseptic conditions.

## **Storage Conditions and Handling**

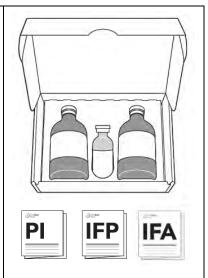
Instill the JELMYTO solution as soon as possible after reconstitution. If immediate instillation is not possible, store reconstituted JELMYTO at 20°C to 25°C (68°F to 77°F) for up to 8 hours. Protect from light.

JELMYTO is a cytotoxic anti-cancer drug. Procedures for Proper Handling and Disposal of anti-cancer drugs should be followed.

## **Supplies Needed**

# JELMYTO Single-Dose Carton containing: Do not substitute any of these components.

- 2 Vials of JELMYTO, 40 mg/vial
- 1 Vial Sterile Hydrogel, 20 mL/vial
- 1 JELMYTO Admixture Label
- JELMYTO Full Prescribing Information (PI)
- JELMYTO Instructions for Pharmacy (IFP)
- JELMYTO Instructions for Administration (IFA)



#### Pharmacy Supplies (Provided by Your Facility)

#### Do not substitute any of these components.

- 3 x TEVADAPTOR® Vial Adaptors
- 3 x TEVADAPTOR® Syringe Adaptors HF
- 1 x Luer Lock connector
- 2 x 10 mL Luer Lock syringes
- 1 x 20 mL Luer Lock syringe
- 1 x 20-25G needle (for drawing up sterile water)
- 2 mL sterile water
- 70% Isopropyl alcohol or equivalent
- 1 x Light protective bag
- 1 x UroGen Pharma Chilling Block

**Note:** The day before your preparation, put the Chilling Block in the freezer at -20°C to -12°C (-4°F to 10.4°F) upside down overnight. Please refer to the Chilling Block Instructions for Use for more information.





1 x UroGen Pharma Chilling Block

## **Steps to Prepare JELMYTO Admixture**

#### A. Freeze Chilling Block

1. The day before preparation, put the Chilling Block in the freezer at -20°C to -12°C (-4°F to 10.4°F) upside down overnight.

**Note:** Please refer to the Chilling Block Instructions for Use for additional information.

#### **B.** Prepare Supplies

- 1. Remove the Chilling Block from the freezer.
- 2. Disinfect the Chilling Block by spraying it with 70% Isopropyl alcohol or equivalent. Allow it to air dry, and then place it upright inside the hood or isolator.
- 3. Wait 20 minutes before continuing.
- 4. Connect vial adaptors to all three vials.
- 5. Connect a syringe adaptor to one of the 10 mL syringes.
- 6. Connect a syringe adaptor to the 20 mL syringe.
- 7. Place the three vials, the 10 mL syringe, and the 20 mL syringe into the Chilling Block for at least 10 minutes.
- 8. While the vials and syringes are in the Chilling Block, withdraw 2 mL of sterile water into the other 10 mL syringe and set aside for later use.

#### C. <u>Create Pre-Wetting Solution (PWS)</u>

- 1. Slowly fill the chilled 20 mL syringe with 14 mL of sterile hydrogel.
- 2. Recap the chilled 20 mL syringe and place it in the Chilling Block.
- 3. Slowly fill the chilled 10 mL syringe with 4 mL of sterile hydrogel.
- 4. Discard the unused portion of sterile hydrogel.
- 5. Replace the needle on 2 mL sterile water syringe with the Luer Lock connector.
- 6. Remove the syringe adaptor from the 4 mL sterile hydrogel syringe.

- 7. Connect the 4 mL sterile hydrogel syringe to the other side of the Luer Lock connector on the 2 mL sterile water syringe.
- 8. Gently mix the sterile water with the sterile hydrogel by pushing the plungers back and forth at least 25 times to create the "pre-wetting solution" (PWS).
- 9. Transfer the 6 mL PWS into one of the syringes.
- 10. Replace the Luer Lock connector on the 6 mL PWS syringe with a new syringe adaptor.
- 11. Place the 6 mL PWS syringe in the Chilling Block.

#### D. Mix the Admixture

- 1. Remove both JELMYTO vials from the Chilling Block.
- 2. Gently tap the bottom of each vial on the table to ensure all the mitomycin powder is at the bottom of the vials.
- 3. Remove the chilled 6 mL PWS syringe from the Chilling Block.
- 4. Inject 3 mL of PWS into each JELMYTO vial.

**Note:** To ensure accurate dosing, the contents of each vial must be the same.

- 5. Discard the empty PWS syringe.
- 6. Gently swirl each JELMYTO vial upright at least 15 times, ensuring all powder and admixture is contained at the bottom of the vial.

Note: Do not invert or shake the vials.

- 7. Immediately remove the chilled 14 mL sterile hydrogel syringe from the Chilling Block.
- 8. Immediately inject 7 mL of sterile hydrogel into each JELMYTO vial.

**Note:** To ensure accurate dosing, the contents of each vial must be the same.

9. Gently swirl each JELMYTO vial upright at least 15 times, ensuring all admixture is contained at the bottom of the vial.

Note: Do not invert or shake the vials.

- 10. Recap and place the 20 mL syringe in the Chilling Block.
- 11. Mix the JELMYTO admixture vials:
  - Recap and place both JELMYTO vials in the Chilling Block for five minutes.

- Remove both vials and vigorously swirl them upright at least 15 times, ensuring all admixture is contained at the bottom of the vials.
- Place both vials back in the Chilling Block.
- Repeat these steps every five minutes for a total of 30 minutes.

**Note:** Do not invert or shake the vials.

#### E. Prepare Admixture Vial

- 1. Remove one JELMYTO vial from the Chilling Block.
- 2. Vigorously swirl the vial upright at least 15 times.

Note: Do not invert or shake the vial.

- 3. Using the chilled 20 mL syringe, slowly withdraw 7 mL of admixture from the vial. **Note:** If you are having difficulty withdrawing the admixture, place the components back in the Chilling Block until the admixture liquifies again.
- 4. Discard the empty JELMYTO vial.
- 5. Remove the remaining JELMYTO vial from the Chilling Block.
- 6. Inject the contents of the 20 mL syringe into that vial. Now all the admixture is contained in one vial.
- 7. Recap the vial adaptor.
- 8. Vigorously swirl the vial upright at least 15 times.

**Note:** Do not invert or shake the vial.

9. Your JELMYTO admixture vial is now complete.

#### F. Dispense Admixture Vial

1. Write the "Discard after" date and time on the admixture label and apply to the prepared JELMYTO admixture vial.

**Note:** The "Discard after" date and time is 8 hours from the completion of the preparation at room temperature.

- 2. Place the following items in a light-protective bag:
  - JELMYTO admixture vial
  - JELMYTO Instructions for Administration
- 3. Transport to the treatment facility.



# راكي Important to Remember

- All components must be kept cold during the preparation process by placing them in the Chilling Block when they are not in use.
- If you have difficulty pushing the solution or withdrawing the solution at any time, put the components back in the Chilling Block until the product liquifies.

# **Frequently Asked Questions**

| How do I connect the vial adaptor?  Place the vial adaptor over the vial and press down firmly. You will hear a snap which confirms successful attachment.  |  |
|---|--|
| How do I connect the syringe adaptor?  Screw the Luer Lock end of the syringe adaptor onto the syringe hub until it is finger tight.  |  |
| How do I connect the syringe adaptor to the vial adaptor?  Place the syringe adaptor over the vial adaptor and align the tabs, then press down firmly. You will hear a snap which confirms successful attachment. |  |
| How do I disconnect the syringe adaptor from the vial adaptor?  Pinch the tabs on the syringe adaptor to separate it from the vial adaptor.   |  |

| Do I need to put the caps on the syringes and vials before placing them back into the chilling block?  YES, the chilling block inserts are not sterile. It is important to maintain aseptic technique. | No image |
|--|----------|
| ·  |          |
| YES, the vials should be upright during all mixing to ensure the contents are fully mixed at the bottom of the vial.   |          |
| I am having difficulty working with the drug product. It seems to be solidifying.  | No image |
| If you are having difficulty pushing the solution or withdrawing the solution, place the components back into the Chilling Block until the product liquifies.  |          |

This "Instructions for Pharmacy" has been approved by the U.S. Food and Drug Administration

TEVADAPTOR® is a registered trademark of Teva Medical Ltd.

#### Distributed by:

UroGen Pharma, Inc. Princeton, NJ 08540

#### www.JELMYTO.com

JEL-IFP-001

# INSTRUCTIONS FOR ADMINISTRATION (IFA) JELMYTO™ (jel-MYE-toe) (mitomycin) for pyelocalyceal solution For Pyelocalyceal Instillation Only

 $\Lambda$ 

Read and follow this Instructions for Administration prior to each JELMYTO instillation.

### **Purpose of this Instructions for Administration**

This Instructions for Administration contains information on how to instill JELMYTO using the reconstituted JELMYTO vial which you received from the pharmacy and the devices listed under **Supplies Needed**, obtained by your facility.

#### Intended Use of JELMYTO

JELMYTO (mitomycin) for pyelocalyceal solution is indicated for the treatment of adult patients with low-grade Upper Tract Urothelial Cancer (LG-UTUC).

# Important Information You Need to Know Before Instilling JELMYTO

JELMYTO must be reconstituted by a healthcare professional prior to instillation. Reconstituted JELMYTO will appear as a semisolid gel. Once chilled, JELMYTO will convert to a viscous liquid for instillation.

Once instilled into the patient's pyelocalyceal system, JELMYTO will fill and conform to the cavity and become a gel, thereby exposing the tissue to mitomycin over a prolonged period of time.

JELMYTO is viscous, even when it is a liquid in a chilled state. Therefore, you will need a Uroject12 Syringe Lever to instill JELMYTO into the patient. You cannot instill JELMYTO without the Uroject12 device.

Reconstituted JELMYTO should be instilled as soon as possible after reconstitution. If immediate instillation is not possible, store reconstituted JELMYTO at 20°C to 25°C (68°F to 77°F) for up to 8 hours. Protect from light.

When ready to instill, chill JELMYTO to 27° F to 41°F (-3°C to 5°C) for at least 10 minutes, but no longer than one hour, to revert it to a liquid form. See the Steps A through E for complete administration instructions.

JELMYTO is a cytotoxic anti-cancer drug. Procedures for Proper Handling and Disposal of anti-cancer drugs should be followed.

## **Supplies Needed**

#### **One vial of reconstituted JELMYTO**

(prepared and provided by the pharmacy)



JELMYTO vial

#### **Ancillary Supplies**

(to be provided by your facility):



Do not substitute any of these components.

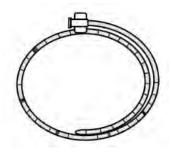
- TEVADAPTOR® Syringe Adaptor HF
- COP MEDALLION® 20 mL Luer Lock syringe
- Ureteral Catheter with molded Luer lock port (5 Fr or 7 Fr)
- Uroject12 Syringe Lever

**Note:** The Uroject12 Syringe Lever is a multi-use device and must be sterilized or disinfected before use. Please follow the sterilization or disinfection instructions detailed in the Uroject12 Syringe Lever Instructions for Use.

• An ice bath to chill the vial of JELMYTO prior to instillation.







TEVADAPTOR® Syringe Adaptor HF

COP MEDALLION® 20 mL Luer Lock syringe

Ureteral Catheter with molded Luer lock port





**Uroject12 Syringe Lever** 

Ice Bath

#### **Instillation Instructions**

#### A. Measure the Kidney Volume

The Instillation Volume will be equal to the patient's kidney volume. If the kidney volume is already known, proceed to Section B.

If the kidney volume is NOT known, or needs to be reassessed, use the following steps:

- 1. Perform a retrograde pyelogram using diluted contrast (50%) so that the entire renal pelvis and calyces are observed and contrast starts to flow below the ureteropelvic junction (UPJ).
- 2. Record the volume of contrast injected at this point.
- 3. Allow the contrast to drain from the kidney. This may take about five minutes. **Note:** Do not withdraw contrast back into the syringe.
- 4. Repeat Steps 1 through 3 two more times, for a total of three measurements to improve accuracy.
- 5. Average the three volume measurements and round to the nearest whole number. This is the patient's kidney volume.

#### B. Select the Instillation Volume

Select the kidney volume OR 15 mL, whichever is lower, as the Instillation Volume.

Note: Maximum Instillation Volume is 15 mL. Record this volume for future instillations.

#### C. Chill the JELMYTO

- 1. Place the JELMYTO vial in the ice bath for at least 10 minutes, but no longer than one hour.
- 2. **After at least 10 minutes**, advance the ureteral catheter over the guidewire towards the target anatomy in the pyelocalyceal system.



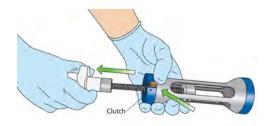
#### D. Prepare the Administration Syringe

Once the vial is removed from the ice bath, you have 4 minutes to draw **JELMYTO** into the administration syringe before it solidifies.

After 4 minutes, recap and place the components back in the ice bath for no more than 15 minutes to liquify the JELMYTO.



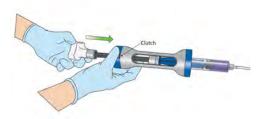
- 1. Remove the JELMYTO vial from the ice bath and dry it off.
- 2. Swirl the vial upright to ensure that JELMYTO is uniformly mixed.
- 3. Connect the syringe adaptor to the 20 mL Luer Lock syringe. This will be the administration syringe.
- 4. Slowly withdraw the calculated Instillation Volume of JELMYTO into the administration syringe.
- 5. Press the "Clutch" button on the Uroject12 and pull the knob out.



6. Insert the administration syringe into the Uroject12 Syringe Lever and rotate it clockwise until it locks in place.



7. While pressing the "Clutch" button, advance the lever to just above the administration syringe's plunger.



Immediately proceed with the instillation steps in Section E to avoid JELMYTO solidification.

#### E. Instill JELMYTO

1. Remove the syringe adaptor from the administration syringe.

**Note:** If JELMYTO gets on to the syringe tip or the catheter's Luer Lock port, wipe it off immediately with sterile gauze so it does not solidify and prevent a secure connection. (Refer to **Frequently Asked Questions** below for further details.)

- 2. Connect the administration syringe to the ureteral catheter's Luer Lock port, by rotating the syringe only.
- 3. Using fluoroscopy, ensure the ureteral catheter is in the desired anatomical position.
- 4. Gradually instill the JELMYTO into the patient by turning the knob at a rate of 1-2 seconds per stroke. **The entire syringe must be emptied within one minute.**



- 5. Remove the ureteral catheter from the urinary tract.
- 6. Remove the administration syringe from the Uroject12 by rotating the syringe barrel counterclockwise.

- 7. Discard the administration ancillaries according to your facility's disposal procedures.
- 8. Send the Uroject12 to be reprocessed according to your facility's procedures and the Uroject12 Syringe Lever Instructions for Use.

# **Frequently Asked Questions**

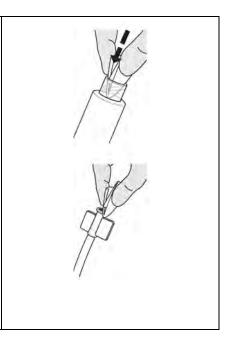
| How do I connect the syringe adaptor?  Screw the Luer Lock end of the syringe adaptor onto the syringe hub until it is finger tight.   |  |
|--|--|
| How do I connect the syringe adaptor to the vial adaptor?  Place the syringe adaptor over the vial adaptor and align the tabs; then press down firmly. You will hear a snap which confirms successful attachment.                    |  |
| How do I disconnect the syringe adaptor from the vial adaptor?  Pinch the tabs on the syringe adaptor to separate it from the vial adaptor.  |  |
| I am having a hard time working with reconstituted JELMYTO. It seems to be solidifying.  If you are having difficulty pushing or withdrawing JELMYTO, recap and place the components back into the ice bath until JELMYTO liquifies. |  |

# What should I do if there is JELMYTO spillage from the syringe tip?

You will need to clean JELMYTO off the syringe tip and the Luer Lock port of the catheter to ensure the two components can connect securely.

- To clean the syringe tip, fold a sterile gauze pad in half twice, and push it into the inside of the Luer Lock port to wipe any JELMYTO off the threads.
- To clean the Luer Lock port on the catheter, use a sterile gauze pad to wipe off any JELMYTO.

Verify that the connectors are clean to ensure a secure connection between the syringe and the catheter.



This "Instructions for Administration" has been approved by the U.S. Food and Drug Administration.

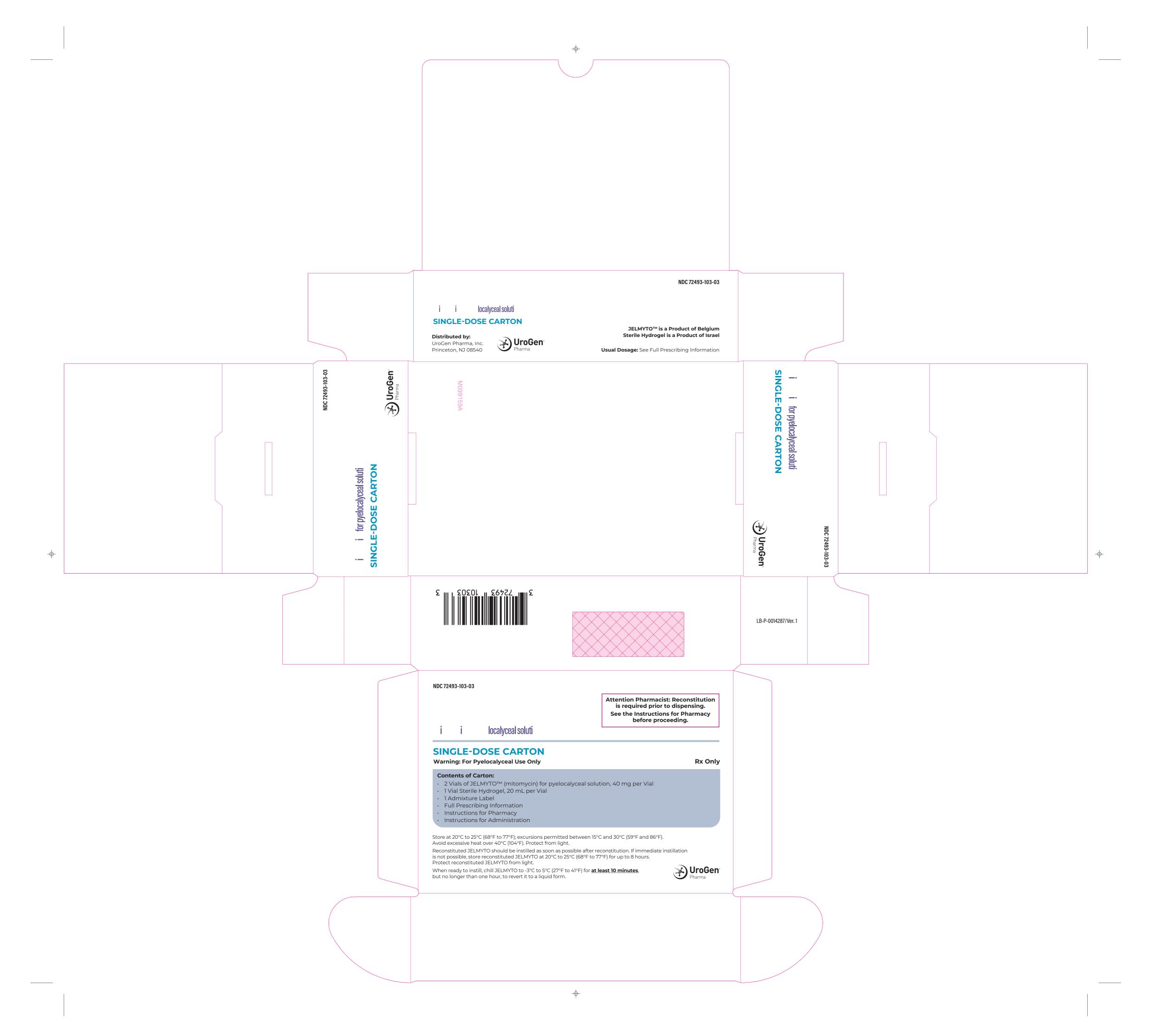
#### Distributed by:

UroGen Pharma, Inc. Princeton, NJ 08540

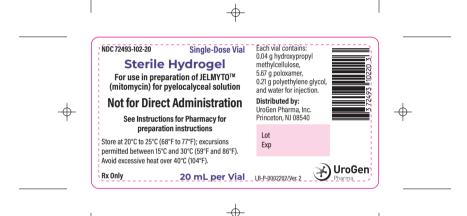
#### www.JELMYTO.com

TEVADAPTOR® is a registered trademark of Teva Medical Ltd. MEDALLION® is a registered trademark of Merit Medical Systems, Inc.

JEL-IFU-001







\_\_\_\_\_

| This is a representation of an electronic record that was signed |
|--|
| electronically. Following this are manifestations of any and all |
| electronic signatures for this electronic record.                |

\_\_\_\_\_

/s/ -----

AMNA IBRAHIM 04/15/2020 01:30:32 PM