

## Frequently Asked Questions about the UroDapter

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### Can the UroDapter® be used in male and female patients as well?

**Short answer:** Yes, the UroDapter® can be used in both male and female patients with maximal efficacy.

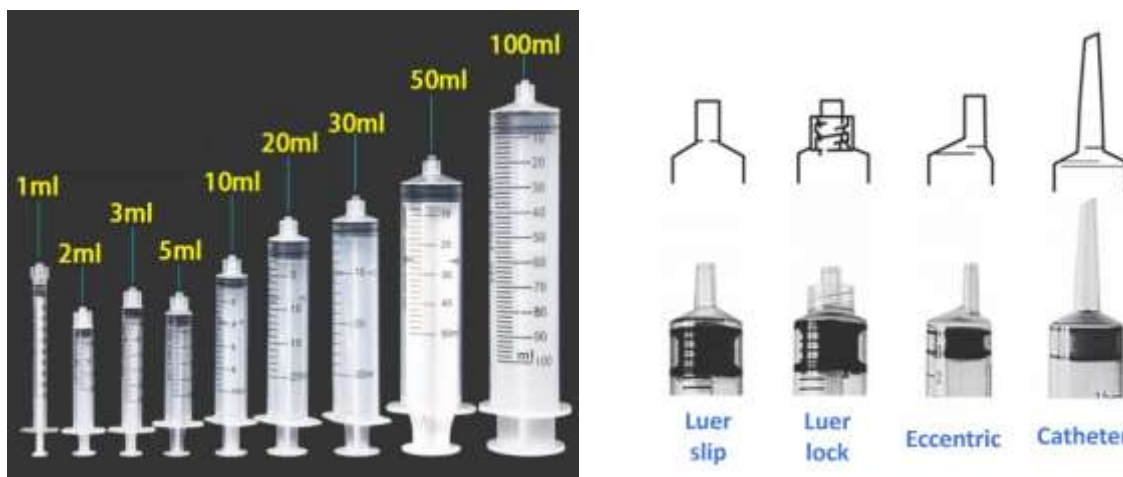
**Detailed answer:** A common question from clinicians or patients unfamiliar with the UroDapter is whether it can be used in both male and female patients. The answer is yes, the UroDapter is designed for use with maximal efficacy in both sexes. The detailed step-by-step instructions and animations for both male and female patients are available on the Web App: [app.urodapter.com](http://app.urodapter.com).



## What type of syringes can I use the UroDapter with?

**Short answer:** Any syringe with Luer lock or Luer slip tips. Typically, 20- or 50-ml syringes.

**Detailed answer:** This is an important question, and to answer it, we need to understand the types of syringes available on the market. There are two main parameters of syringes that are relevant to our discussion. The first is the size of the syringe. Sizes range from 1 ml (or cc) to 100 ml or even more. A 100 ml syringe is quite large compared to those used for blood sampling or intravenous injections, and typically 20- or 50-ml syringes are used for intravesical instillations. The UroDapter is compatible with all syringe sizes.



The second important parameter is the type of the tip. Most syringes have Luer slip or Luer lock tips, which are compatible with standard needles. With Luer slips, the needle can be attached to the syringe simply by pushing or slipping it onto the syringe tip. With Luer locks, the needle's base end must be twisted onto the syringe tip. Luer locks, for example, are used in intravenous cannulas to ensure better stability and a secure connection to the connecting tubes. In some syringes called eccentric, the Luer slip tip is positioned at the edge of the syringe to provide better positioning for surface veins or artery injections. The final tip variant is the catheter tip, which is larger than the Luer tips and compatible with catheter or gastrostomy tube connections. These are mainly for flushing or cleaning catheters or tubes and are found on larger syringes like 100 ml or above. The UroDapter is compatible with all Luer slip, Luer lock, and eccentric tip syringes. The only syringe type it is not compatible with is the catheter tip type, which are not typically used for intravesical drug delivery.

So, in summary, the UroDapter can be used with any syringe size, provided it has a Luer lock or Luer slip tip, with the common sizes being 20 or 50 ml.

### I experienced some leakage of the solution in female patients. Is this normal?

**Short answer:** With some practice, the rate of leakage can be quickly decreased below 1% in both sexes.

**Detailed answer:** User experience indicates that with the correct technique, the incidence of leakage in female patients can quickly drop below 1%, and there is absolutely no leakage in male patients. However, due to the UroDapters simplicity and logical design, new inexperienced users who are unfamiliar with the device may attempt to use it without understanding the proper technique. Simply inserting the UroDapter into the urethral opening and pushing the syringe could lead to an unsuccessful attempt. Despite its simplicity and ease of use, the UroDapter is a medical device that requires some practice and proper technique for successful application, just like any other medical device. For instance, the insertion of catheters, especially in male patients, requires substantial practice by healthcare professionals. In many regions, nurses are not even permitted to insert catheters into male patients. So, consider this: the success rate of inserting a catheter without any practice or knowledge about the proper technique would be extremely low.



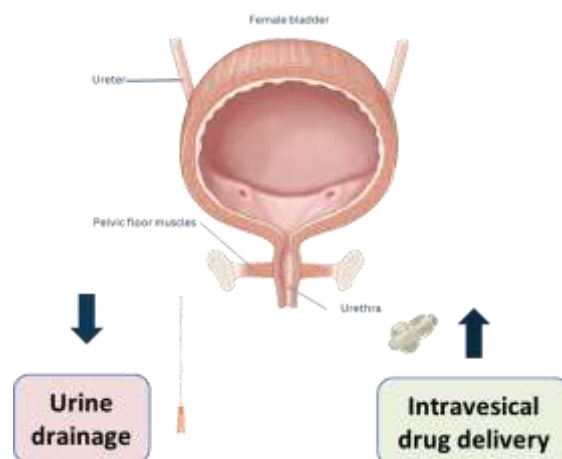
Therefore, it is important to emphasize that new users should first understand how to use the UroDapter properly by following the simple instructions and easy steps provided on the

app.urodapter.com website. User feedback suggests that in the first few attempts, a 15-20% leakage rate is normal for female patients, and this rate can be quickly reduced to 5% after approximately 10 installations, and further to 0.5% with some additional practice.

### Can I use the UroDapter to drain urine from the bladder?

**Short answer:** No.

**Detailed answer:** No, the UroDapter was designed to replace the catheter in cases of bladder instillations but not for draining urine from the bladder. Therefore, it is not suitable to replace the catheter for the purpose of urine drainage.

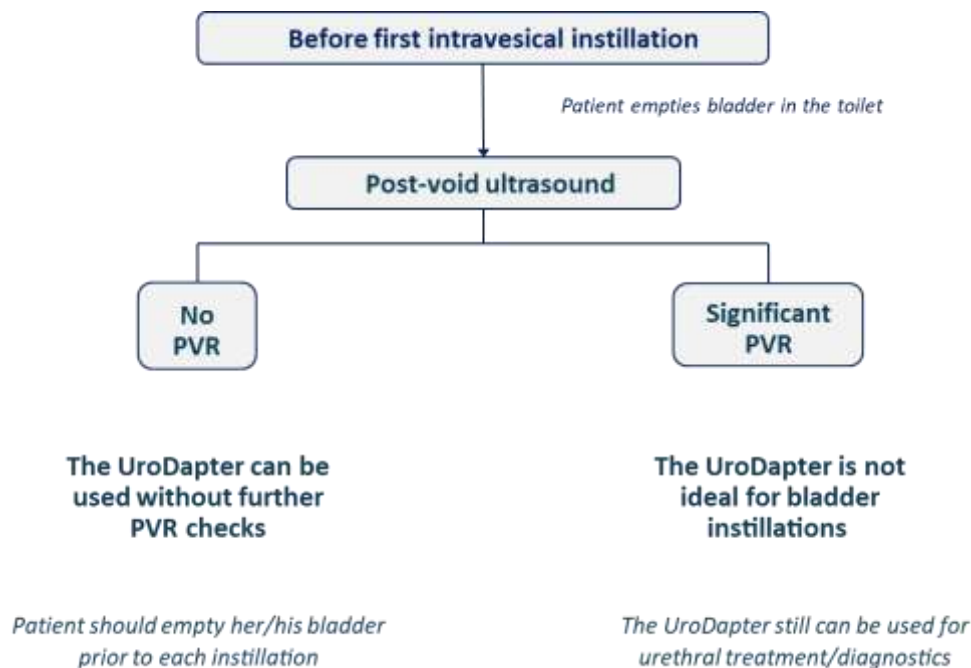


### Should I check for residual urine prior to each instillation in a patient?

**Short answer:** No, only prior to the first instillation.

**Detailed answer:** Post-void residual urine (PVR) or post-void residual volume is the amount of urine remaining in the bladder after voluntary urination. Normally, post-void residual volume is below 50 ml in 90% of the population. A PVR between 50 and 200 milliliters is considered significant, and anything above 200 ml is classified as urinary retention. In this case, most protocols recommend the placement of a urinary catheter. Significant PVR or urinary

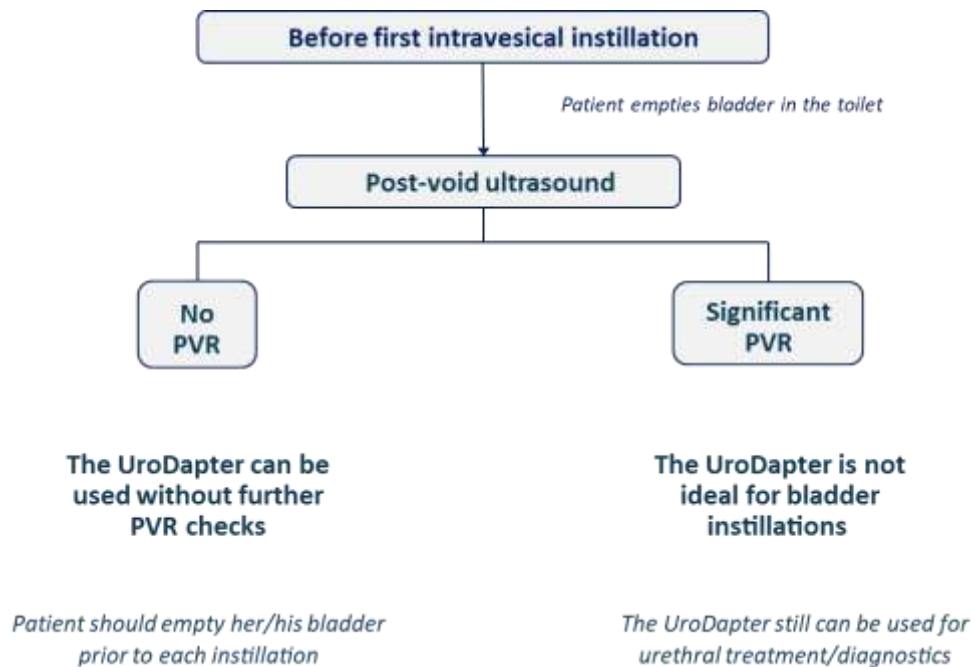
retention is more prevalent among elderly men or patients with lower urinary tract or neurological disorders. The presence of post-void residual urine is typically assessed with a quick bladder ultrasound after urination. Alternatively, a catheter can be inserted after urination to measure the drained urine. Assessing residual urine is necessary only before the first instillation. The patient should be instructed to empty their bladder in the toilet, followed by a post-void ultrasound to evaluate any residual urine. For the majority of cases without significant post-void residual volume, the UroDapter can be used without any subsequent PVR checks. In case of a small residual urine, the dilution effect is not significant. In this situation, the slightly diluted effect of the instillation should be balanced against the decreased discomfort of instillation and the treatment's urethral effect.



Can I use the UroDapter for bladder instillation in case of significant post-void residual urine?

**Short answer:** Since the UroDapter is not suitable to drain urine, in case of a significant post-void residual urine the instilled solution will be diluted in the residual urine. Only use UroDapter, if that dilution is not a problem.

**Detailed answer:** For the majority of cases without significant post-void residual volume, the UroDapter can be used without any subsequent PVR checks. Patients are simply advised to empty their bladder in the restroom before each instillation with the UroDapter. In the case of a small residual urine, the dilution effect is not significant. In the minority of cases where patients have significant PVR, the UroDapter is not ideal for bladder instillation if dilution of the instilled solution is considered a problem. However, it can still be effectively used for urethral treatments or diagnostic purposes.



If you have any further questions, please contact your distributor, or contact us directly at [mail@urosystem.com](mailto:mail@urosystem.com).