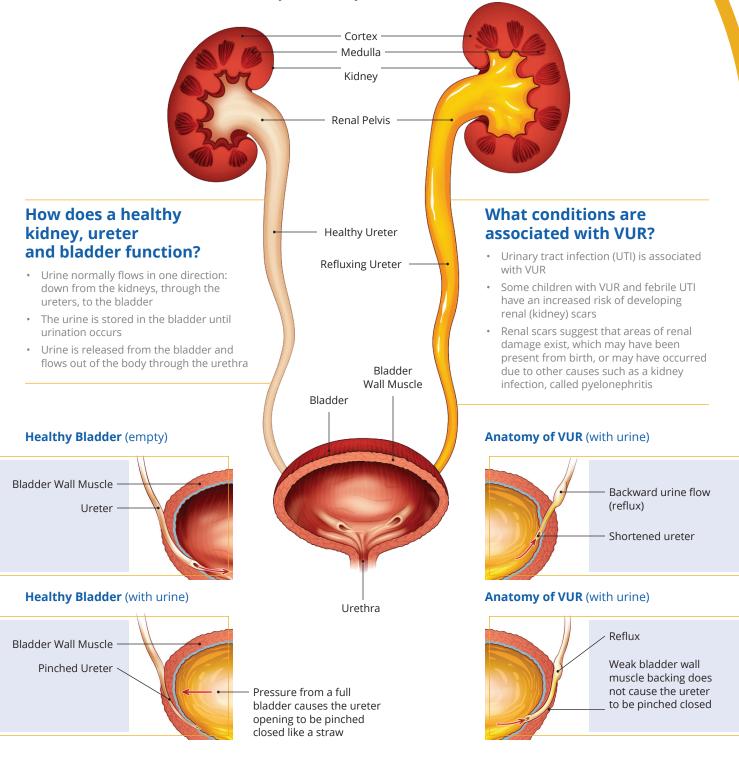
# **D**eflux<sup>®</sup>

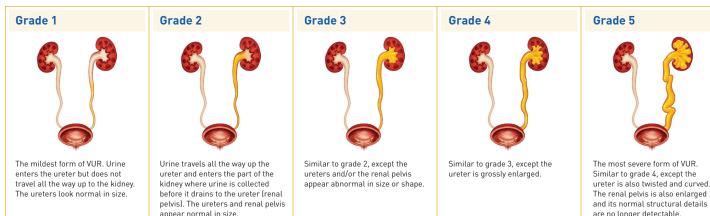
## Understanding Vesicoureteral Reflux (VUR)

## What is VUR?

VUR occurs when the ureter opening located at the joining of the ureter and the bladder does not close properly. This causes urine to flow back up (reflux) from the bladder to the ureters and eventually to the kidneys.



### **Grades of VUR**



## What is Deflux<sup>®</sup>?

Deflux is a gel made from two naturally occurring sugars, hyaluronic acid and dextranomer, and is indicated for the treatment of children with VUR grades 2-4. A pediatric urologist injects Deflux in or around the ureter opening (where the ureter joins the bladder). Deflux has been used safely and effectively for over 20 years, showing up to 93% success rates after one treatment.<sup>1</sup>

## Will VUR resolve on its own?

<b>RISK CATEGORY</b> age in months; number of patients on which estimates are based	1 YEAR	2 YEARS	3 YEARS	4 YEARS	5 YEARS
Grade 1 <sup>†</sup> N=15	<b>39.3</b> (24.6-51.1)	<b>63.1</b> (43.2-76.1)	<b>77.6</b> (57.2-88.3)	<b>86.4</b> (67.7-94.3)	<b>91.8</b> (75.7-97.2)
Grade 2 <sup>†</sup> N=250	<b>28</b> (24.1-31.7)	<b>48.1</b> (42.3-53.4)	<b>62.7</b> (56.2-68.1)	<b>73.1</b> (66.8-78.2)	<b>80.6</b> (74.8-85.1)
<b>Grade 3,</b> unilateral, age 0-24 N=27	<b>21.4</b> (10.8-30.8)	<b>38.2</b> (20.4-52.1)	<b>51.5</b> (29-66.8)	<b>61.9</b> (36.6-77.1)	<b>70</b> (43.5-84.1)
<b>Grade 3,</b> unilateral, age 25-60 N=27	<b>13.4</b> (4.6-21.4)	<b>25</b> (8.9-38.3)	<b>35.1</b> (13.1-51.5)	<b>43.8</b> (17.1-61.9)	<b>51.3</b> (20.9-70.1)
<b>Grade 3,</b> unilateral, age 61-120 N=15	<b>10.8</b> (3.5-17.5)	<b>20.5</b> (6.9-32)	<b>29.1</b> (10.2-43.9)	<b>36.7</b> (13.4-53.8)	<b>43.6</b> (16.5-61.9)
<b>Grade 3,</b> bilateral, age 0-24 N=62	<b>12.7</b> (7-18.1)	<b>23.8</b> (13.5-32.9)	<b>33.5</b> (19.5-45)	<b>41.9</b> (25.1-55)	<b>49.3</b> (30.3-63.1)
Grade 3, bilateral, age 25-60 N=53	<b>7</b> (3.1-10.8)	<b>13.5</b> (6.1-20.4)	<b>19.6</b> (9-28.9)	<b>25.2</b> (11.8-36.6)	<b>30.5</b> (14.6-43.4)
Grade 3, bilateral, age 61-120 N=14	<b>2.6</b> (0.7-4.5)	<b>5.2</b> (1.4-8.8)	<b>7.7</b> (2.1-13)	<b>10.1</b> (2.8-16.9)	<b>12.5</b> (3.5-20.7)
<b>Grade 4,</b> unilateral <sup>‡</sup> N=28	<b>16.1</b> (8.5-23.1)	<b>29.7</b> (16.4-40.8)	<b>41</b> (23.5-54.5)	<b>50.5</b> (30-65)	<b>58.5</b> (36-73.1)
<b>Grade 4,</b> bilateral <sup>‡</sup> N=96	<b>4.5</b> (1-7.9)	<b>6.4</b> (2-15.1)	<b>7.8</b> (3-21.8)	<b>8.9</b> (4-28)	<b>9.9</b> (4.9-33.7)

The percent chance of reflux resolution after specified number of years (95% confidence interval)<sup>2\*</sup>

#### Visit Deflux.com for more information References

- 1. Kalisvaart JF, Scherz HC, Cuda S, Kaye JD, Kirsch AJ. Intermediate to long-term follow-up indicates low risk of recurrence after Double HIT endoscopic treatment for primary vesicoureteral reflux. *J Pediatr Urol.* 2012;9(4)359-365.
- 2. Elder JS, Peters CA, Arant BS, et al. AUA pediatric vesicoureteral reflux clinical guidelines panel: The management of primary vesicoureteral reflux in children. *American Urological Association Education and Research, Inc. 1997.*

#### Medical Information Department

T: 844.350.9656 F: 510.595.8183

Palette Life Sciences

E: palettemc@dlss.com



Important information

Deflux<sup>®</sup> is indicated for the treatment of children with VUR Grades II-IV. Children with

certain medical conditions

should not be treated with Deflux<sup>®</sup>: non-functioning kidney(s), Hutch diverticulum,

ureterocele, active voiding dvsfunction, or ongoing

urinary tract infection. Discuss these conditions with your

healthcare provider. There is a small risk of infection and bleeding from the procedure. Other adverse effects can happen. Some are rare

blockages such as in the ureters, which can damage the kidneys if not treated. Discuss

these adverse effects with your healthcare provider.

 The yearly rate of reflux resolution remains constant for each group
No difference shown by age or laterality (unilateral/ bilateral); therefore, these categories were combined
Estimates only apply to the time of diagnosis and are not age specific.

about Deflux

## ears, showing up to 55% success rates after one treatment.