



Western Australian Coding Rule

0318/22 Encrusted JJ Stent

Q.

Can you please confirm the diagnosis codes that we would assign for an encrusted JJ Stent in the ureter?

A.

If the only complication is stent **encrustation**: Follow the Alphabetic Index pathway:

Complication(s)

- genitourinary NEC
- - device, implant or graft
- - - specified NEC T83.89

To assign:

- | | |
|--------|--|
| T83.89 | <i>Other specified complications of genitourinary devices, implants and grafts</i> |
| Y83.1 | <i>Surgical operation with implant of artificial internal device</i> |
| Y92.2x | <i>Place of occurrence, health service area</i> |
| U73.8 | <i>Other specified activity</i> |

If there is documentation that the stent is **encrusted and obstructed**: Follow the Alphabetic Index pathway:

Obstruction, obstructed, obstructive

- device, implant or graft
- - urinary NEC T83.1

Obstruction, obstructed, obstructive

- ureter (functional NEC) N13.5

To assign:

- | | |
|--------|--|
| T83.1 | <i>Mechanical complication of other urinary devices and implants</i> |
| N13.5 | <i>Kinking and stricture of ureter without hydronephrosis</i> |
| Y83.1 | <i>Surgical operation with implant of artificial internal device</i> |
| Y92.2x | <i>Place of occurrence, health service area</i> |
| U73.8 | <i>Other specified activity</i> |

DECISION

Assign the following codes for JJ stent encrustation:

- | | |
|---------------|---|
| T83.89 | <i>Other specified complications of genitourinary devices, implants and grafts</i> |
| Y83.1 | <i>Surgical operation with implant of artificial internal device</i> |
| Y92.2x | <i>Place of occurrence, health service area</i> |
| U73.8 | <i>Other specified activity</i> |



Government of **Western Australia**
Department of **Health**

Assign the following codes for encrusted and obstructed JJ stent:

T83.1 *Mechanical complication of other urinary devices and implants*
N13.5 *Kinking and stricture of ureter without hydronephrosis*
Y83.1 *Surgical operation with implant of artificial internal device*
Y92.2x *Place of occurrence, health service area*
U73.8 *Other specified activity*

This WA Coding Rule 0318/22 *Encrusted JJ stent* supersedes WA Coding Rule 0613/07 *Encrusted JJ stent*.

This advice has a minor modification to correspond with an update in ICD-10-AM/ACHI/ACS Tenth Edition.

[Effective 01 July 2017, ICD-10-AM/ACHI/ASC 10th Ed.]



Western Australian Coding Rule

0613/07 Encrusted JJ Stent

Q.

Can you please confirm the diagnosis codes that we would assign for an encrusted JJ Stent in the ureter?

There is some advice pertaining to the assignment of a procedure code for '**Endoscopic lithotripsy of encrusted ureteric stent**' in CM Vol 15 No.4, but they don't provide an answer for coding the diagnosis codes. The query was originally sent to the NCCH by the Victorian Coding Committee (Query No. 2312) & they have suggested using:

T83.8 *Other complications of genitourinary prosthetic devices, implants and grafts*
N28.8 *Other specified disorders of kidney and ureter*
Y83.1 *Surgical operation with implant of artificial internal device*
Y92.22 *Health service area*
U73.8 *Other specified activity*

This is how we are currently assigning the codes for an encrusted stent. The assignment of code N28.8 is via the look up 'Calcification, ureter'. Can you please confirm if these codes are correct for this diagnosis or if we need to capture these differently?

A.

Encrustation of ureteral stents occurs when the chemical constituents of urine combine with the surface of the stent, leading to the stent being coated with a layer of calcified crystals (Vanderbrink, Rastinehad, Ost and Smith 2008). Stents need to be replaced regularly to prevent encrustation. Encrustation can lead to blocked and/or fractured stents. An encrusted JJ stent has potential to damage the urinary tract during removal hence lithotripsy is often performed to remove the calcified deposits to make stent removal safer and easier.

If the only complication is stent encrustation, we agree with the Victorian Coding Committee in following the pathway Complication, prosthetic device, urinary organ or tract, specified NEC to assign:

T83.8 *Other complications of genitourinary prosthetic devices, implants and grafts*
Y83.1 *Surgical operation with implant of artificial internal device*
Y92.22 *Health service area*
U73.8 *Injury or poisoning occurring while engaged in other specified activity*

However we do not agree with their assignment of N28.8 via index look-up calcification, ureter because this code indicates the ureter itself is calcified.

If there is documentation that the stent is encrusted and obstructed, follow the index pathways Obstruction, device, urinary and Obstruction, ureter to assign:



T83.1 *Mechanical complication of other urinary devices and implants*
 N13.5 *Kinking and stricture of ureter without hydronephrosis*
 Y83.1 *Surgical operation with implant of artificial internal device*
 Y92.22 *Health service area*
 U73.8 *Injury or poisoning occurring while engaged in other specified activity*

DECISION

Assign the following codes for JJ stent encrustation:

T83.8 *Other complications of genitourinary prosthetic devices, implants and grafts*
Y83.1 *Surgical operation with implant of artificial internal device*
Y92.22 *Health service area*
U73.8 *Injury or poisoning occurring while engaged in other specified activity*

Assign the following codes for encrusted and obstructed JJ stent:

T83.1 *Mechanical complication of other urinary devices and implants*
N13.5 *Kinking and stricture of ureter without hydronephrosis*
Y83.1 *Surgical operation with implant of artificial internal device*
Y92.22 *Health service area*
U73.8 *Injury or poisoning occurring while engaged in other specified activity*

Reference: Vanderbrink B.A., Rastinehad A.R., Ost M.C., Smith A.D. 2008. "Encrusted urinary stents: evaluation and endourologic management". Journal of Endourology, 22 (5): 905-91

[Effective 05 Jun 2013, ICD-10-AM/ACHI/ASC 7th Ed.]