History, physical exam, urine analysis/culture, GFR, renal ultrasound

High-risk variable identified?

Surveillance
- Periodic assessment with H/P, QOL questionnaire
- Repeat renal ultrasound/eGFR if history of high-risk

High-risk chronic urinary retention?
NO YES

Symptomatic?
(Mod/severe on questionnaire)
NO YES

Treatment of Symptoms
1. Initiate treatment with medication or catheterization
2. Behavioural management
3. Consider UDS if differential includes bladder outlet obstruction vs low detrusor contractility
4. Consider Surgical Intervention

Improvement?

Treatment of Risk
1. Initiate bladder drainage with catheterization
2. Start medications targeted reducing risk (e.g. antibiotics for UTI), consider surgical intervention.
3. Consider UDS if identifying BOO, low bladder compliance, VUR would impact management

Repeat Risk Assessment
1. Repeat physical exam, renal ultrasound, urine culture and/or eGFR to determine effectiveness of chosen treatment
2. Consider UDS to assess effectiveness of intervention on BOO, bladder compliance, vesicoureteral reflux

Improvement?

Yes