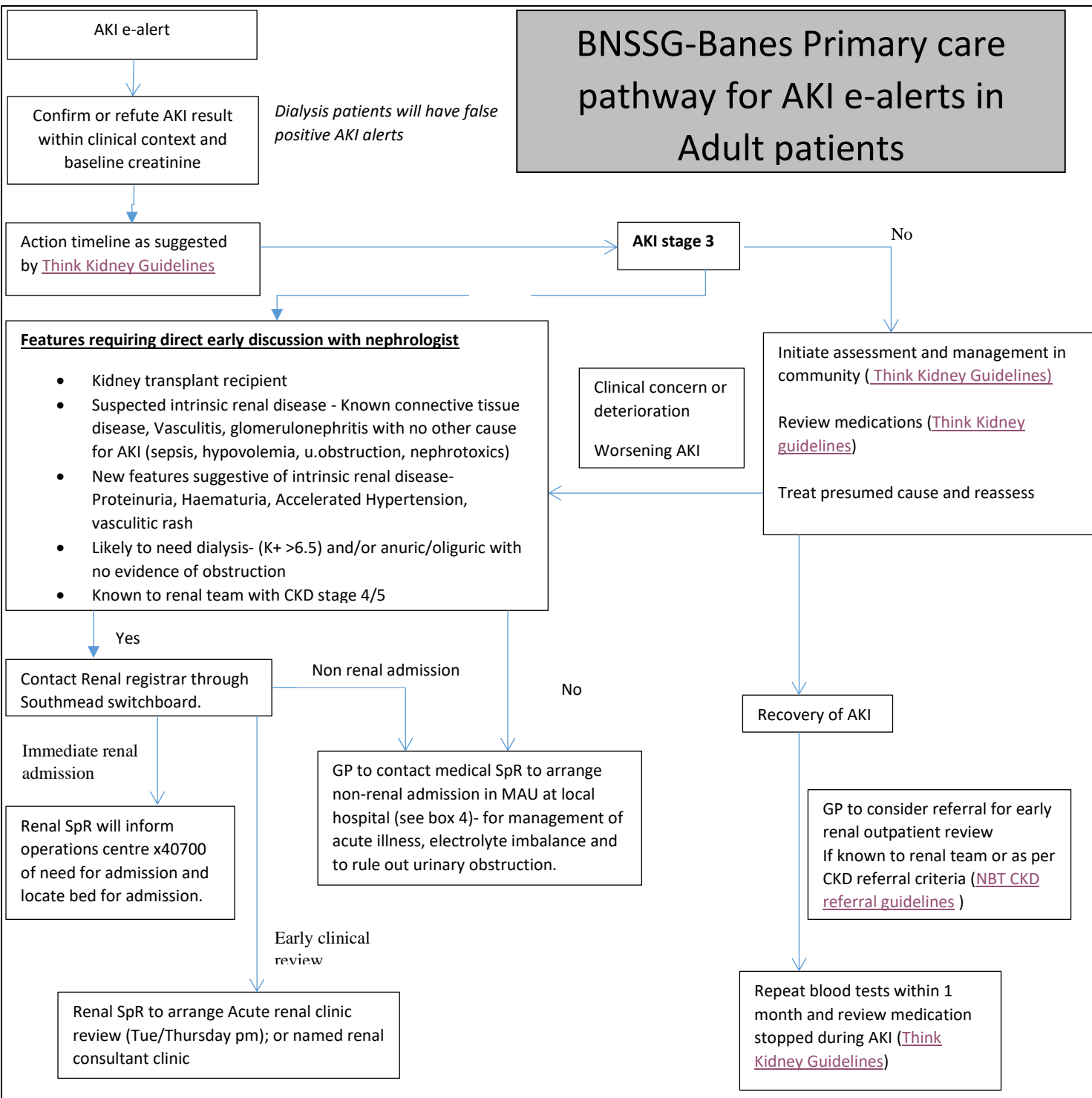


BNSSG-Banes Primary care pathway for AKI e-alerts in Adult patients



Dialysis patients will have false positive AKI alerts

- Features requiring direct early discussion with nephrologist**
- Kidney transplant recipient
 - Suspected intrinsic renal disease - Known connective tissue disease, Vasculitis, glomerulonephritis with no other cause for AKI (sepsis, hypovolemia, u.obstruction, nephrotoxics)
 - New features suggestive of intrinsic renal disease- Proteinuria, Haematuria, Accelerated Hypertension, vasculitic rash
 - Likely to need dialysis- (K+ >6.5) and/or anuric/oliguric with no evidence of obstruction
 - Known to renal team with CKD stage 4/5

- Patient AKI Risk Factors**
- Age more than 75 years
 - Chronic kidney disease
 - Previous AKI
 - Diabetes mellitus
 - Heart failure
 - Vascular disease
 - Liver disease
 - Cognitive impairment

- AKI Risk Events**
- Sepsis e.g.Pneumonia, cellulitis, UTI etc
 - Toxins e.g.NSAIDs, Gentamicin, Herbal remedies
 - Hypotension e.g.relative to baseline BP
 - Hypovolaemia e.g.haemorrhage, vomiting, diarrhoea
 - Major Surgery (planned or emergency)

- Signs and symptoms of acute kidney injury?**
- Reduced urine output
 - Changes to urine colour
 - Nausea, vomiting
 - Evidence of dehydration
 - Thirst
 - Confusion and drowsiness

- AKI features to prompt earlier review**
- Poor oral intake/urine output
 - Evidence of hyperkalaemia, especially if moderate (K+ 6.0-6.4) or severe (K+ ≥ 6.5 - see above)
 - Known history of CKD stages 4 & 5 or history of kidney transplant
 - Deficient Immunity
 - Frail with co-morbidities (CKD, diabetes, heart failure, liver disease, neurological or cognitive impairment)
 - Past history of AKI
 - Suspected intrinsic kidney disease
 - Suspected urinary tract obstruction

Box 4

[North Bristol Trust](#) Main Switchboard: 0117 9505050

General Practitioners should phone the GP Support Team (GPST) on 01172449283 to refer acutely unwell medical patients to the Acute Medicine Unit (AMU). The GPST will record the clinical details and advise you of where to send the patient. Faxed referral to Fax: 0117 4149486

[Bristol Royal Infirmary](#) Main Switchboard: 0117 923 0000

Medical Admissions (Monday - Friday, 09:00 - 19:00) 0117 934 9335

On contacting the BRI switchboard General Practitioners will be put through to the General Practitioner Support Unit (GPSU) located within the Ambulatory Care Unit (A413) based on level 4 in the Queens Building. Following discussion with the referring GP, the Duty GP in the unit will either arrange to; assess the patient in the GPSU; suggest management of the patient through an agreed alternative primary or secondary care pathway; or direct them to an appropriate assessment area. In this case the GP will advise the relevant assessment unit of the patient's referral.

[Royal United Hospital \(Bath\)](#) Main Switchboard: 01225 428331

All GP Acute Medical Referrals: 07824 334450 (8.00am - 8.00pm)

GP Liaison Nurse 01225 821746 - This is a GP only direct phone line to Nurse Practitioners to discuss patients who may be appropriate for Ambulatory Care

Out of hours, please ring Medical Reg. through switchboard

[Weston General Hospital](#) Main Switchboard 01934 636363

Referrals to medical registrar on-call via Switchboard.

Useful References:

1. Think Kidneys national programmes are led by the renal community and supported by NHS England and the UK Renal Registry: www.thinkkidneys.nhs.uk
2. NICE Guidance on Acute kidney injury: Prevention, detection and management of acute kidney injury up to the point of renal replacement therapy. [Overview](#) | [Acute kidney injury: prevention, detection and management](#) | [Guidance](#) | [NICE](#).
3. KIDOGO AKI clinical practice guidelines: kdigo.org
4. RCPE UK Consensus Conference on Management of acute kidney injury: the role of fluids, e-alerts and biomarkers 2012: rcpe.ac.uk