

## Renal Specialist formulary list









**\*\*Other indications for particular drugs may be included on completion of further specialist lists\*\***










For information on use of unlicensed medicines or medicines used 'off-label' - [click here](#)














**The following medicines are approved for prescribing by or on the recommendation of a prescribing renal specialist:**










In the event of a broken link please forward details to [carol.walkinshaw@nhs.scot](mailto:carol.walkinshaw@nhs.scot)






Please include the location and full title of the link

MEDICINE	SUMMARY OF RESTRICTED INDICATION	CATEGORY	PROTOCOL
Finerenone (Kerendia®▼) tablets	CKD (stage 3 or 4 with albuminuria) associated with type 2 diabetes in adults	 Amber	<a href="#">NHS Tayside prescribing guidance for finerenone in Diabetic Kidney Disease</a> (NHS Tayside Staffnet intranet link only) <a href="#">Finerenone in the management of Diabetic Kidney Disease: A consensus statement by the Association of British Clinical Diabetologists and UK Kidney Association, Feb 2023</a>
Tinzaparin	Anticoagulation during haemodialysis.	 Red	
Danaparoid	Anticoagulation during haemodialysis in patients who develop heparin-induced thrombocytopenia (HIT).	 Red	
Cyclophosphamide injection	Rapidly progressive glomerulonephritis (RPGN), severe systemic vasculitis, (including ANCA associated vasculitis (active granulomatosis with polyangiitis (Wegener's) (GPA) and microscopic polyangiitis (MPA)), management of nephrotic syndrome.	 Red	<a href="#">Cyclophosphamide protocol</a> (NHS Tayside Staffnet intranet link only)
Cyclophosphamide tablets	Management of nephrotic syndrome.	 Amber	
Mycophenolate mofetil	Immunosuppression in kidney transplant* Maintenance of remission of ANCA associated systemic vasculitis and SLE nephritis following induction therapy with cyclophosphamide or rituximab (off-label).	 Amber	See <a href="#">EdRen renal transplant handbook</a> (Edinburgh Royal Infirmary Renal Unit)
Mycophenolic acid (as mycophenolate sodium)	Immunosuppression in kidney transplant*	 Amber	
Tacrolimus immediate-release (Prograf®/ Adoport®) (twice daily preparations)	Immunosuppression in kidney transplant* Maintenance of remission of nephrotic syndrome (off-label). Prograf® and Adoport® are clinically equivalent although they cannot be used interchangeably in the same patient.	 Amber	

<b>Prescribe by brand name</b>	Newly transplanted kidney patients will be initiated on Adoport® from August 2018.		
Tacrolimus prolonged-release (Advagraf®) (once daily preparation) <b>Prescribe by brand name</b>	Immunosuppression in kidney transplant* Patients must only be switched to Advagraf® under the supervision of the patient's transplant or Renal specialist.		
Azathioprine	Immunosuppression in kidney transplant* Maintenance of remission of ANCA associated systemic vasculitis and SLE nephritis following induction therapy with cyclophosphamide or rituximab (off-label).	 Amber	
Ciclosporin (Capimune®/Neoral®/Sandimmun®) <b>Prescribe by brand name</b>	Immunosuppression in kidney transplant* Maintenance of remission of nephrotic syndrome. Patients should be stabilised on a single brand of ciclosporin.	 Amber	
Sirolimus	Immunosuppression in kidney transplant*	 Amber	
Rituximab (Ruxience®▼) concentrate for intravenous infusion	In combination with glucocorticoids for induction of remission and maintenance in severe, active granulomatosis with polyangiitis (Wegener's) (GPA) and microscopic polyangiitis (MPA) (ANCA-associated vasculitis (AAV)) in patients who have relapsed following cyclophosphamide or who are intolerant to or unable to receive cyclophosphamide.  Idiopathic Membranous Nephropathy (off-label).  Antibody mediated rejection (AMR) in kidney transplant (off-label) with IV methylprednisolone (off-label) and IV Immunoglobulin.	 Red	<ul style="list-style-type: none"> <li>• Brand name must be stated on prescriptions for rituximab</li> </ul> <a href="#">Edinburgh Transplant Unit Protocol</a>
IV methylprednisolone	Antibody mediated rejection (AMR) in kidney transplant with IV rituximab (off-label) and IV Immunoglobulin.	 Red	<a href="#">Edinburgh Transplant Unit Protocol</a>
Tolvaptan (Jinarc®▼)	To slow the progression of cyst development and renal insufficiency of autosomal dominant polycystic kidney disease (ADPKD) in adults with chronic kidney disease stage 1 to 3 at initiation of treatment with evidence of rapidly progressing disease.	 Red	<ul style="list-style-type: none"> <li>• Prescribing Physician and Clinical Pharmacist must be on the Jinarc® Register</li> <li>• All patients are monitored in a virtual clinic</li> </ul>
Iron sucrose (Venofer®)	Renal anaemia. First choice parenteral iron preparation for hospital haemodialysis patients.	 Red	<a href="#">NHS Tayside Renal Service Anaemia Management Guidelines for patients with Chronic Kidney Disease</a> (NHS Tayside Staffnet intranet link only)
Ferric carboxymaltose (Ferinject®)	Renal anaemia. First choice for Renal patients (except those who receive hospital haemodialysis).	 Red	
Darbepoetin alfa (Aranesp®)	Renal anaemia. First choice erythropoiesis stimulating agent.	 Red	



Epoetin beta (NeoRecormon®)	Renal anaemia	 Red	
Roxadustat (Evrenzo®▼)	Renal anaemia	 Red	
Sodium bicarbonate 500mg capsules, oral solution	Chronic acidotic states	 Amber	<a href="#">Electrolyte replacement guidelines</a> (NHS Tayside Staffnet intranet link only)
Potassium citrate mixture BP (approx. 1mmol/mL of citrate)	Reduction of renal stone formation including patients with hypocitraturia and renal tubular acidosis (unlicensed use 'off-label')	 Amber	
Potassium citrate 3g granules for oral solution (Cystopurin®)	Reduction of renal stone formation including patients with hypocitraturia and renal tubular acidosis [off-label] if potassium citrate mixture is not tolerated.	 Amber	
Potassium citrate 1080mg tablets (10mmol of citrate) (unlicensed) (imported via Mawdsleys or IDIS)	Reduction of renal stone formation including patients with hypocitraturia and renal tubular acidosis if potassium citrate mixture or potassium citrate granules for oral solution (Cystopurin®) not tolerated.	 Red	
Calcium acetate (Phosex®)	Hyperphosphataemia. First choice phosphate-binding agent	 Amber	<a href="#">Guidelines for the Management of Bone Metabolism and Disease in Chronic Kidney Disease</a> (NHS Tayside Staffnet intranet link only)
Calcium carbonate 500mg chewable tablets	Hyperphosphataemia	 Amber	
Sodium zirconium cyclosilicate powder for oral suspension (Lokelma®)	Addition to first line treatment in moderate to severe acute hyperkalaemia in line with local protocol - Acute Management of Inpatient Hyperkalaemia (non-dialysis)	 Red	<a href="#">Electrolyte replacement guidelines</a> (NHS Tayside Staffnet intranet link only)
Calcium gluconate injection 10%	Acute management of in-patient hyperkalaemia (non-dialysis) in accordance with local guidance. Post-op hypocalcaemia in patients undergoing parathyroidectomy.	 Red	<a href="#">NHS Tayside Medical Management of Adult Patients with ESKD undergoing Parathyroidectomy</a> (NHS Tayside Staffnet intranet link only)
Calcium chloride injection 10% pre-filled syringe	Acute management of in-patient hyperkalaemia (non-dialysis) in accordance with local guidance.	 Red	
Sevelamer carbonate	First-choice non-calcium based phosphate-binding agent for hyperphosphataemia in patients on haemodialysis or peritoneal dialysis and patients with CKD not on dialysis with serum phosphate concentration of 1.78mmol/L or more.	 Amber	<a href="#">NHS Tayside Acute Management of Inpatient Hyperkalaemia (non-dialysis)</a> (NHS Tayside Staffnet intranet link only)
Lanthanum (Fosrenol®)	Hyperphosphataemia in CKD (dependant upon serum calcium and PTH levels). Used in patients intolerant to sevelamer.	 Amber	

Cinacalcet	Severe refractory secondary hyperparathyroidism in patients with ESRD in whom parathyroidectomy is contraindicated	 Amber	<a href="#">Guidelines for the Management of Bone Metabolism and Disease in Chronic Kidney Disease</a> (NHS Tayside Staffnet intranet link only)  <a href="#">Local treatment protocol</a> (NHS Tayside Staffnet intranet link only)
Magnesium Glycerophosphate (4mmol) Chewable tablets	Hypomagnesaemia	 Amber	<a href="#">Electrolyte replacement guidelines</a> (NHS Tayside Staffnet intranet link only)
Magnesium sulphate injection	Hypomagnesaemia	 Red	
Phosphate-Sandoz® effervescent tablets	Hypophosphatemia in accordance with local guidance	 Amber	
Phosphate Polyfusor®	Hypophosphatemia in accordance with local guidance	 Red	
Alfacalcidol capsules, oral drops, injection	Vitamin D deficiency and/or secondary hyperparathyroidism	 Amber	<a href="#">Guidelines for the Management of Bone Metabolism and Disease in Chronic Kidney Disease</a> (NHS Tayside Staffnet intranet link only)  <a href="#">Medical Management of Adult Patients with ESKD undergoing Parathyroidectomy</a> (NHS Tayside Staffnet intranet link only)
Valganciclovir	Given for 200 days post-transplant for prevention of CMV disease in all transplant recipients except CMV-negative recipients of CMV-negative donors*	 Red	See <a href="#">EdRen renal transplant handbook</a> (Edinburgh Royal Infirmary Renal Unit)
Hepatitis B vaccine ((HBvaxPRO®/Fendrix®)	Immunisation against hepatitis B infection in patients with CKD including those on haemodialysis	 Amber	<a href="#">Immunisation against infectious disease – 'The Green Book'</a>  Renal Hepatitis B vaccination guidance under development
Mirtazapine tablets, orodispersible tablets	Under the direction of a renal specialist for uraemia induced pruritis in patients with advanced kidney disease [unlicensed use 'off-label'].	 Amber	

Lidocaine medicated plasters	2nd or 3rd line agent for post- herpetic neuralgia or localised neuropathic pain where standard treatment not effective or not tolerated [off-label].	 <b>Amber</b>	<a href="#">Tayside Protocol for Lidocaine 5% Medicated Plaster in Neuropathic Pain</a> (NHS Tayside Staffnet intranet link only)  <a href="#">Lidocaine Plaster Monitoring Sheet</a>
Mupirocin ointment	Restricted to use in Renal dialysis patients as part of buttonhole cannulation.	 <b>Red</b>	<a href="#">NHS Tayside Renal Service AVF Buttonhole Dull Cannulation Protocol</a> (NHS Tayside Staffnet intranet link only)
Mupirocin nasal ointment	For resistant cases of staphylococci, and should be reserved for the eradication of nasal carriage of MRSA and MSSA on advice from Infection Control only	 <b>Amber</b>	
Co-trimoxazole	PCP prophylaxis post kidney/kidney pancreas transplant PCP prophylaxis during pulsed IV cyclophosphamide treatment PCP prophylaxis post rituximab infusion	 <b>Amber</b>	
Renavit®	Only for haemodialysis patients	 <b>Red</b>	

\*= initiated by a tertiary transplant centre

#### Traffic light status information

 <b>Red</b>	To be prescribed by Hospital Specialists Only.
 <b>Amber</b>	Can be prescribed in General Practice under the direction of a Specialist.

[Click here](#) for a link to the NHS Tayside Treatment of Infection Guidelines for Renal Patients (NHS Tayside Staffnet intranet link only).

Updated: 27<sup>th</sup> February 2024