

WOMEN'S HEALTH AND PAEDIATRICS
PAEDIATRIC DEPT

Evaluation of Haematuria

Amendments			
Date	Page(s)	Comments	Approved by
Sep 2010	New Guideline		Paediatric Guideline Group
July 13		Whole document review	Paediatric Guideline Group
Dec 14		Whole Document review	Paediatric Guideline Group
March 2018		Whole document review – no changes	Paediatric Guideline Group

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In Consultation with:

Ratified: Paediatric Guidelines Group

Date Ratified: September 2010

Date Reviewed: March 2018

Next Review Date: March 2021

Target Audience: Doctors, nurses and support staff working in Paediatrics

Impact Assessment Carried Out By:

Comments on this document to: Dr Bhatti Consultant Paediatrician

Haematuria

Glomerular

Isolated renal disease

Post infGN, IgA
Nephr, Alports, FSGS
etc

Multisystem disease

SLE, HSP,HUS,
HIV, Sickle

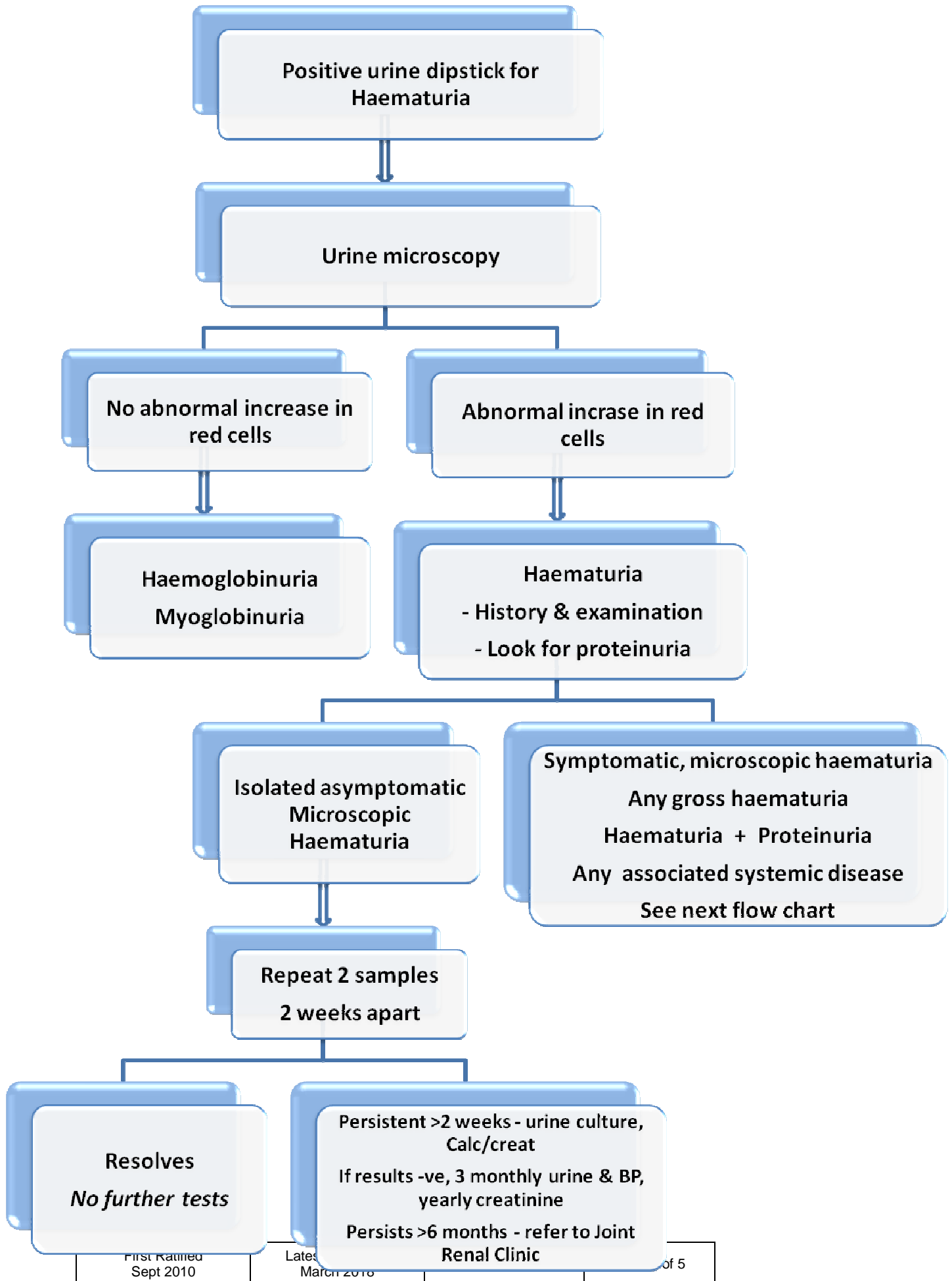
Non-Glomerular

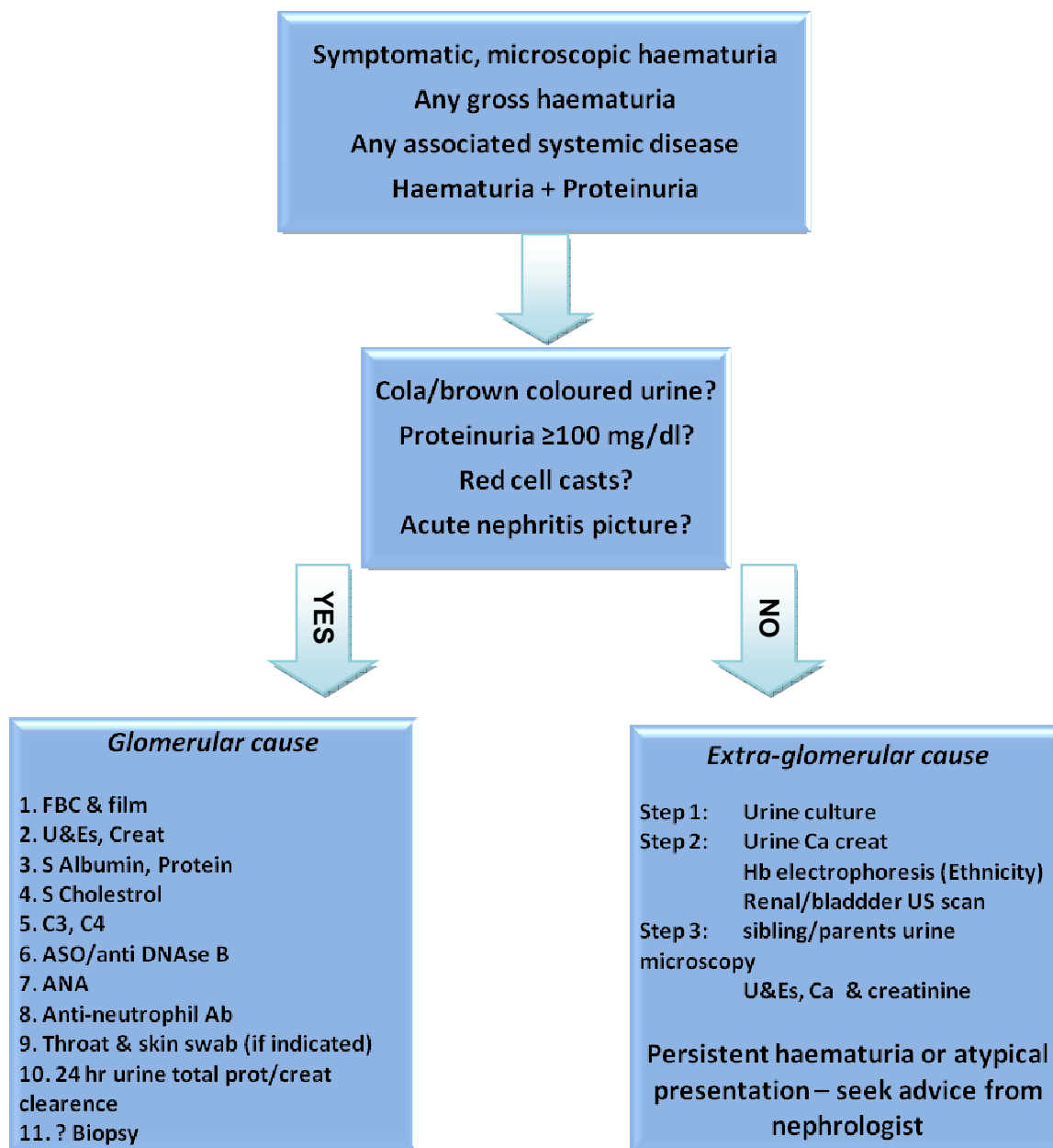
Upper urinary tract

Pyelonehritiis, ATN,
Nephrocalcnosis,
thrombosis,calculus,
hydronephrosis, turmor,
trauma, dyplasia, cystic
disease

Lower urinary tract

Cystitis, urethritis,
urolihiasis, trauma,
heavy exercise,
coagulopathy





Evaluation of Haematuria

Other tests depending on clinical suspicion

- History of trauma/palpable mass – CT abdomen
- Positive personal/family history – clotting screen
- Audiometry and ophthalmology review as indicated
- 24 hr urine Calcium/Creatinine, uric acid, oxalate – if crystalluria/urolithiasis/nephrolithiasis
- Appropriate radiological investigation – renal colic
- Referral to Joint Renal Clinic if persistent or atypical presentation

Haematuria

- **Referral to Nephrology**
 - * Hypertension
 - * Renal insufficiency
 - * Family history of renal disease
 - * Urolithiasis /nephrocalcinosis

- **Biopsy- indications**
 - * Persistent microscopic haematuria
 - * Recurrent gross haematuria a/w hypertension, decreased renal function, proteinuria

References

- National Kidney Foundation's Kidney Disease Outcomes Quality Initiative: Evaluation, Classification, and Stratification Clinical Practice Guidelines for Chronic Kidney Disease in Children and Adolescents. R JHogg, S Furth, Kevin V et al. Paediatrics 2003;111;1416-1421
- Evaluation of haematuria and proteinuria: how should a paediatrician proceed? R Quigley .Current Opinion in Paediatrics 2008, 20:140–144
- The investigation of haematuria. R H White . Arch Dis Child, 1989, 64, 159-165
- Orthostatic proteinuria. V M Vehaskari. Arch Dis Child 1982 57: 729-730
- Nelson Textbook of Paediatrics. 18th Edition. Volume 2:2168-2710

First Ratified Sept 2010	Latest Reviewed March 2018	Version Number: 3	Page 5 of 5
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