To:　　UCM Medical Staff, House staff, Nursing Staff, Patient Care Centers, and Outpatient Clinics

From:　　Melissa S Pessin, MD, PhD
Professor and Vice Chair, Clinical Pathology
Medical Director of Hyde Park Clinical Laboratories and Alternative Site Testing

Date:　　7/16/2024

Subject:　　**Clinical Chemistry – Plasma/Serum Creatinine and TSH Pediatric Reference Ranges**

Effective Date:　7/17/2024

Laboratory Section: Chemistry at all UCM Sites

Summary:
- The Clinical Laboratories are pleased to be able to provide age-based plasma/serum creatinine and TSH reference intervals for children from 0 - 18 years of age to enable improved patient care for these age groups.

- Effective 7/17/2024, the UCM Clinical Labs will adopt the following pediatric ranges for creatinine and TSH:

Pediatric Reference Ranges for Plasma/Serum Creatinine			
Age	Female	Male	Impacted Locations:
	Creatinine (mg/dL)	Creatinine (mg/dL)	• Hyde Park
0 - <1 year	0.17 - 0.42	0.17 - 0.42	• Ingalls
1 - <5 years	0.19 - 0.49	0.19 - 0.49	• Orland Park
5 - <10 years	0.26 - 0.61	0.26 - 0.61	• Silver Cross
10 - <15 years	0.35 - 0.86	0.35 - 0.86	• Crown Point
15 - <18 years	0.44 - 1.04	0.44 - 1.10	• Ingalls FCC

Pediatric Reference Ranges for TSH		
Age	TSH (µIU/mL)	Impacted Locations:
0 - 5 days	0.7 - 15.2	• Hyde Park
6 days - 2 months	0.7 - 11.0	• Ingalls
3 - 11 months	0.7 - 8.4	
1 - 5 years	0.7 - 6.0	
6 - 10 years	0.6 - 4.8	
11 - 18 years	0.5 - 4.3	

Note: This does not include tests performed on the POC EPOC at this time.

Questions: If there are any questions regarding these changes, please contact:
- For Ingalls: IMH Chemistry Lab at 708-915-5778 or Marisol Del Rio, Ingalls Laboratory Supervisor (Marisol.delrio@uchicagomedicine.org)
- For all other locations: UCM Clinical Chemistry Laboratory (773-702-1772) or Kara Newton, Administrative Director, UCM Core and Ambulatory Laboratories (Newton, Kara [UCM] <Kara.Newton@uchicagomedicine.org>) or Sarah Groboske, Manager, HP Clinical Chemistry (Sarah.Groboske@uchicagomedicine.org)