

Injection of Iodinated Contrast Media Update 2022 Summary (ChristianaCare)

<p>Patients requiring eGFR* prior to iodinated contrast injection</p>	<ul style="list-style-type: none"> • <u>All Inpatients</u> should have an updated eGFR within the last 48 hours
	<ul style="list-style-type: none"> • <u>Emergency Department patients</u> meeting the following criteria should have an eGFR within the last 24 hours: <ul style="list-style-type: none"> ○ Any history of kidney disease or intervention. ○ Diabetes (if on metformin containing medication, see below) ○ CHF ○ Hypertension (treated or untreated) ○ Age 25 or older
	<ul style="list-style-type: none"> • <u>Outpatients</u> meeting the following criteria should have an eGFR in the last 30 days: <ul style="list-style-type: none"> ○ Any history of kidney disease or intervention ○ Diabetes (if on metformin containing medication, see below) ○ CHF ○ Hypertension (treated or untreated) ○ Age 25 or older
<p>Patients who meet the following criteria will require approval for injection by the radiology resident or attending radiologist.</p>	<ul style="list-style-type: none"> • eGFR < 30 mL/min/1.73m² • Acute renal failure • Acute/temporary dialysis <ul style="list-style-type: none"> ○ For patients with end stage renal disease (ESRD) on chronic/maintenance dialysis, see below • Intravenous or intra-arterial iodinated contrast injection in the last 24 hours
<p>Consider the following actions for patients with eGFR <30 mL/min/1.73m², AKI or on temporary dialysis requiring approval for injection</p>	<ul style="list-style-type: none"> • Nephrology can be consulted but is not required. • If the benefits outweigh the risks, a medically necessary note should be provided by the referring clinician.

	<ul style="list-style-type: none"> • If time permits, considered pre-prophylactic hydration for patients with eGFR < 30 mL/min/1.73m² or AKI (unless there are fluid restrictions) • If indication is non-urgent consider postponing the study, performing without iodinated contrast, or alternative study.
For Patients with ESRD on chronic maintenance hemodialysis or peritoneal dialysis	<ul style="list-style-type: none"> • Patients with end stage renal disease on chronic/maintenance dialysis do not need eGFR, approval for injection, immediate dialysis, or change in dialysis schedule based on iodinated contrast administration.
For patients on Metformin containing medications	<ul style="list-style-type: none"> • If a patient with eGFR < 30 mL/min/1.73m² or AKI who is currently on a metformin containing medication receives intravenous iodinated contrast, the care team will be notified, and metformin should be held. Resumption of the medication will be determined by the clinical team.

* eGFR is available in Powerchart. Updated hospital approved eGFR calculator:
https://www.kidney.org/professionals/kdoqi/gfr_calculator

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