

Nephrogenic Systemic Fibrosis (NSF)

↳ Scleroderma-like fibrosis of skin and other organs, days to months after gadolinium exposure in patients with CKD or ESRD

👂 Skin biopsy

🏥 Early PT to prevent contractures, renal transplant

Risk of NSF

↓ overall rate (< 0.5%)

↑ in Group I gadolinium agents

↑ if eGFR < 30

Weigh benefit vs.
risk of contrast
study

If eGFR < 30, discuss
alternate contrast
(ferumoxytol)
with radiology

Engage patient in
shared decision-
making