

Initiate ACEi or ARB

Monitor serum creatinine and potassium
(within 2–4 weeks after starting or changing dose)

Normokalemia

<30% increase
in creatinine

Increase dose of ACEi or ARB
or continue on maximally
tolerated dose

Hyperkalemia

Review concurrent drugs
Moderate potassium intake
Consider:
diuretics
sodium bicarbonate
GI cation exchangers

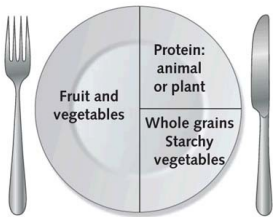
>30% increase
in creatinine

Review for causes of AKI
Correct volume depletion
Reassess concomitant medications
(e.g., diuretics, NSAIDs)
Consider renal artery stenosis

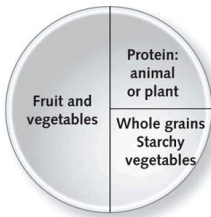
Reduce dose or stop ACEi or ARB as last resort

| Prognosis of CKD by GFR and albuminuria categories: KDIGO 2012 | | | | Persistent albuminuria categories | | |
|---|-----|----------------------------------|-------|-----------------------------------|-----------------------------|--------------------------|
| | | | | Description and range | | |
| | | | | A1 | A2 | A3 |
| | | | | Normal to mildly increased | Moderately increased | Severely increased |
| | | | | <30 mg/g <3 mg/mmol | 30–300 mg/g 3–30 mg/mmol | >300 mg/g >30 mg/mmol |
| GFR categories (mL/min/1.73 m ²) Description and range | G1 | Normal or high | ≥90 | | | |
| | G2 | Mildly decreased | 60–89 | | | |
| | G3a | Mildly to moderately decreased | 45–59 | | | |
| | G3b | Moderately to severely decreased | 30–44 | | | |
| | G4 | Severely decreased | 15–29 | | | |
| | G5 | Kidney failure | <15 | | | |

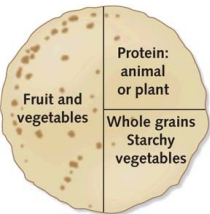
Green, low risk (if no other markers of kidney disease, no CKD); Yellow: moderately increased risk; Orange: high risk; Red: very high risk.



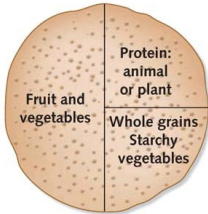
Your plate



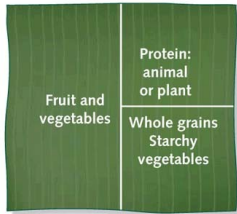
Your rice bowl



Your tortilla



Your injera



Your banana leaf



Lifestyle therapy

Physical activity
Nutrition
Weight loss



First-line therapy

Metformin

eGFR <45 eGFR <30 Dialysis

Reduce dose Discontinue Discontinue

+

SGLT2 inhibitor

eGFR <30 Dialysis

Do not initiate Discontinue



Additional drug therapy as needed for glycemic control

- GLP-1 receptor agonist (preferred)
- DPP-4 inhibitor Insulin
- Sulfonylurea TZD
- Alpha-glucosidase inhibitor

Guided by patient preferences, comorbidities, eGFR, and cost
Includes patients with eGFR <30 mL/min per 1.73 m² or treated with dialysis
See Figure 4

