

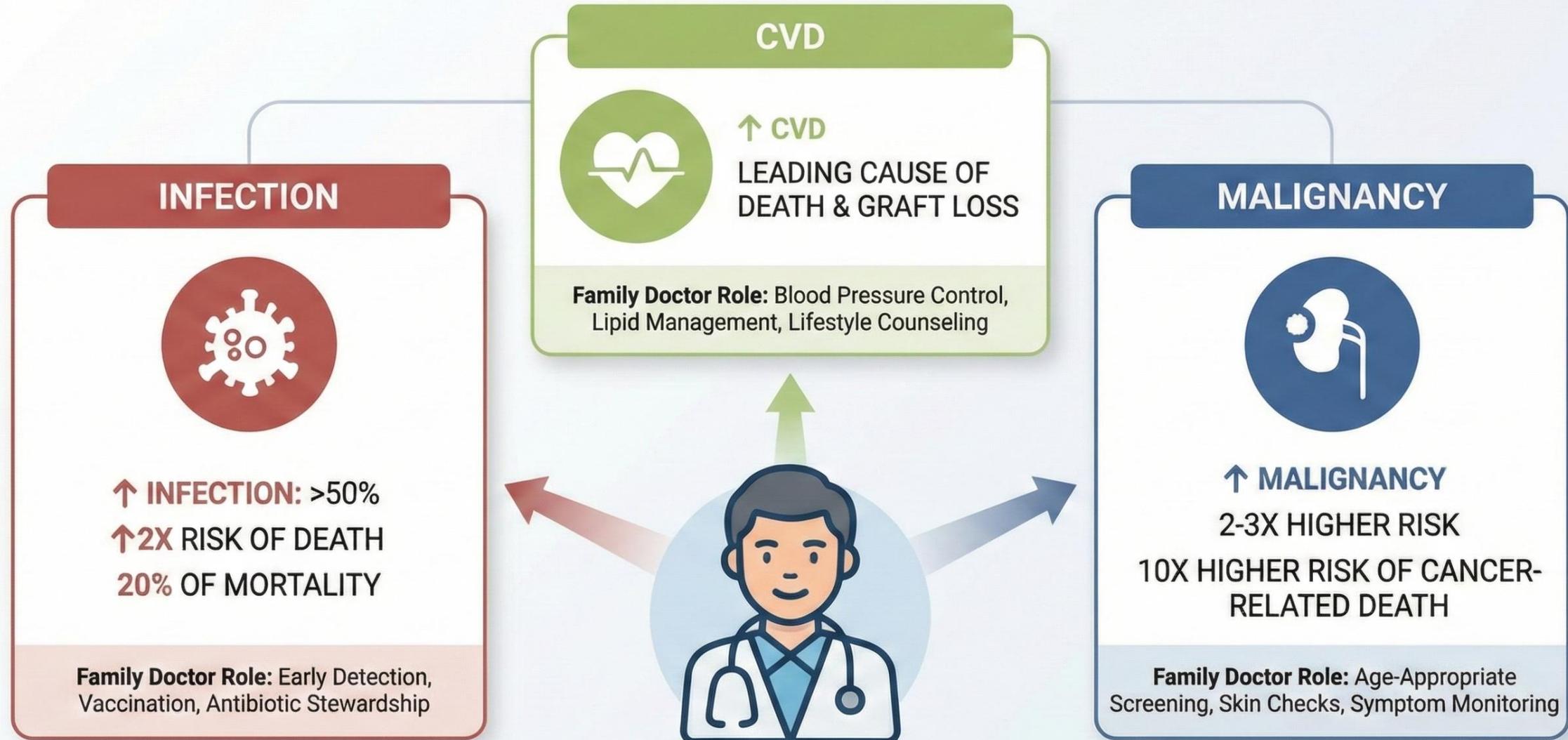
SHARED CARE IN TRANSPLANT

CO-MANAGING THE KIDNEY TRANSPLANT RECIPIENT
Preventative care • Safe Prescribing • When to call transplant

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Transplant Nephrologist: The Ottawa Hospital



WHY IT MATTERS: THE VITAL ROLE OF FAMILY DOCTORS IN POST-TRANSPLANT CARE



Should I Blame Nephrology? A Triage Guide

NEPHROLOGIST MANAGED (Transplant Team)



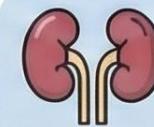
Blame the Meds

Tremor/headaches: CNI

GI symptoms (nausea/bloating/diarrhea): MMF

Leukopenia

Recurrent UTIs/infections



Blame the Graft

Graft pain: rejection, seromas



Rise in Cr: ?rejection



FAMILY DOCTOR MANAGED (Primary Care)



Fatigue



CVD symptoms



Anemia



Malignancy screening



Bone health



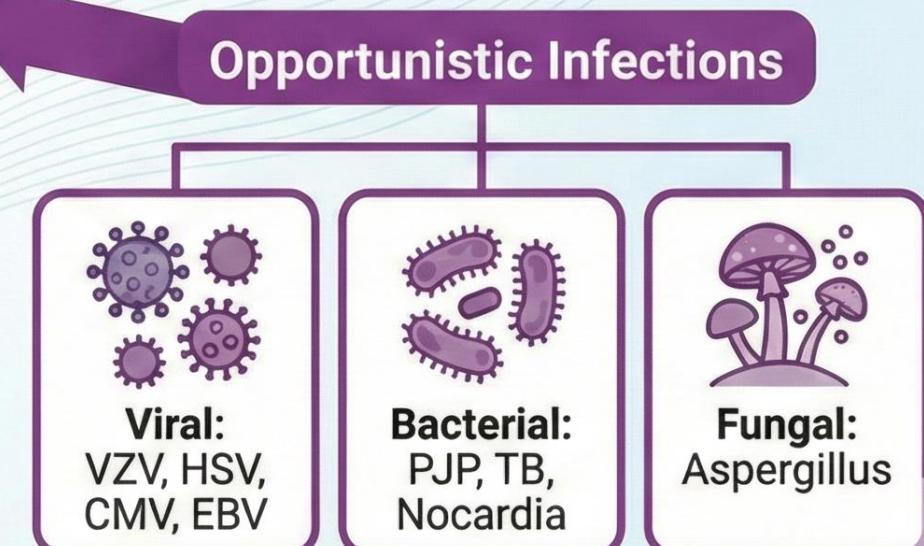
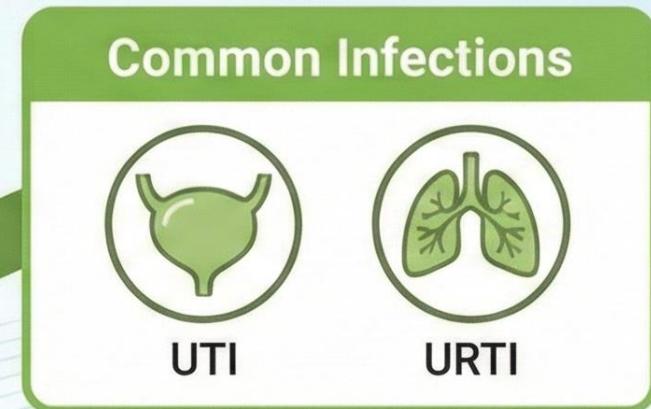
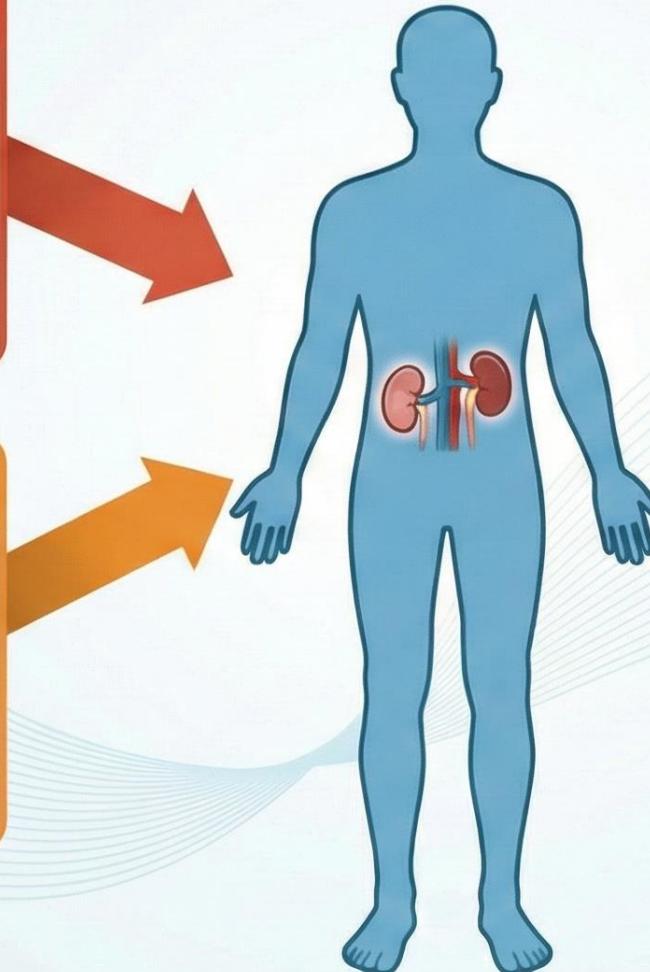
DM management

VS



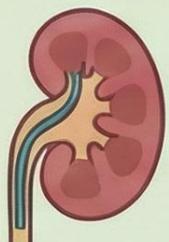
CO-MANAGING INFECTION: RISKS AND VACCINATION STRATEGIES

Post-Transplant Infection Risks: Burden & Timing



ASYMPTOMATIC BACTERURIA POST-TRANSPLANT

EARLY PHASE (0-1/2 MONTHS)



**Treat Asymptomatic Bacteruria
(due to retained stent)**

LATER PHASE (>1-2 MONTHS)



AVOID TREATMENT for Asymptomatic Bacteruria

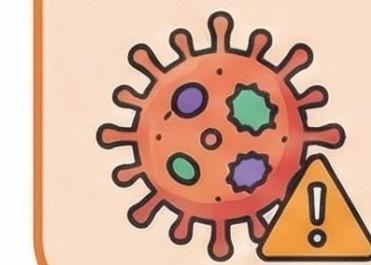
STENT REMOVED
(1-2 MONTHS)

NO BENEFIT



- Does NOT reduce symptomatic UTI
- Does NOT prevent pyelonephritis
- Does NOT prevent rejection

MDRO RISK

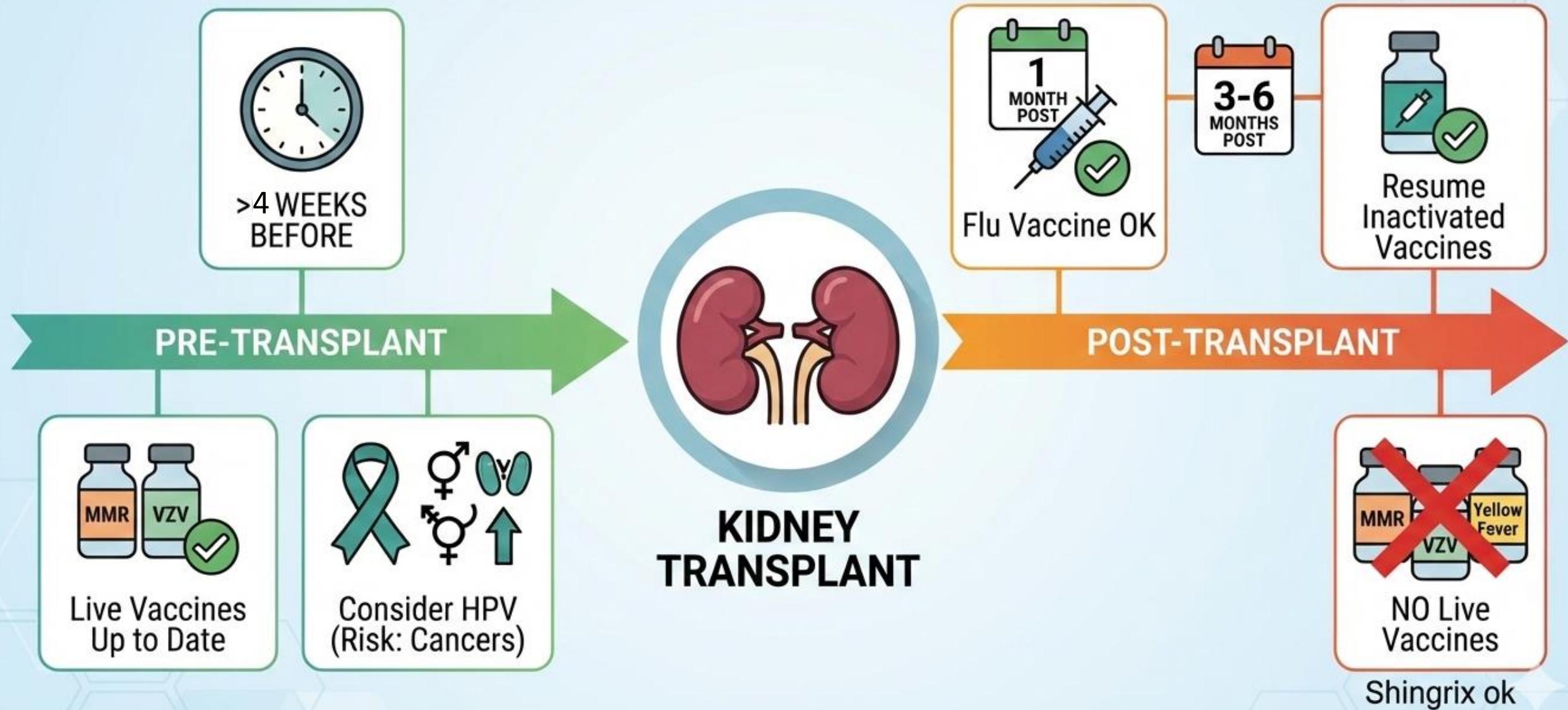


- Unnecessary antibiotics drive resistance
- Increases risk of Multi-Drug Resistant Organisms

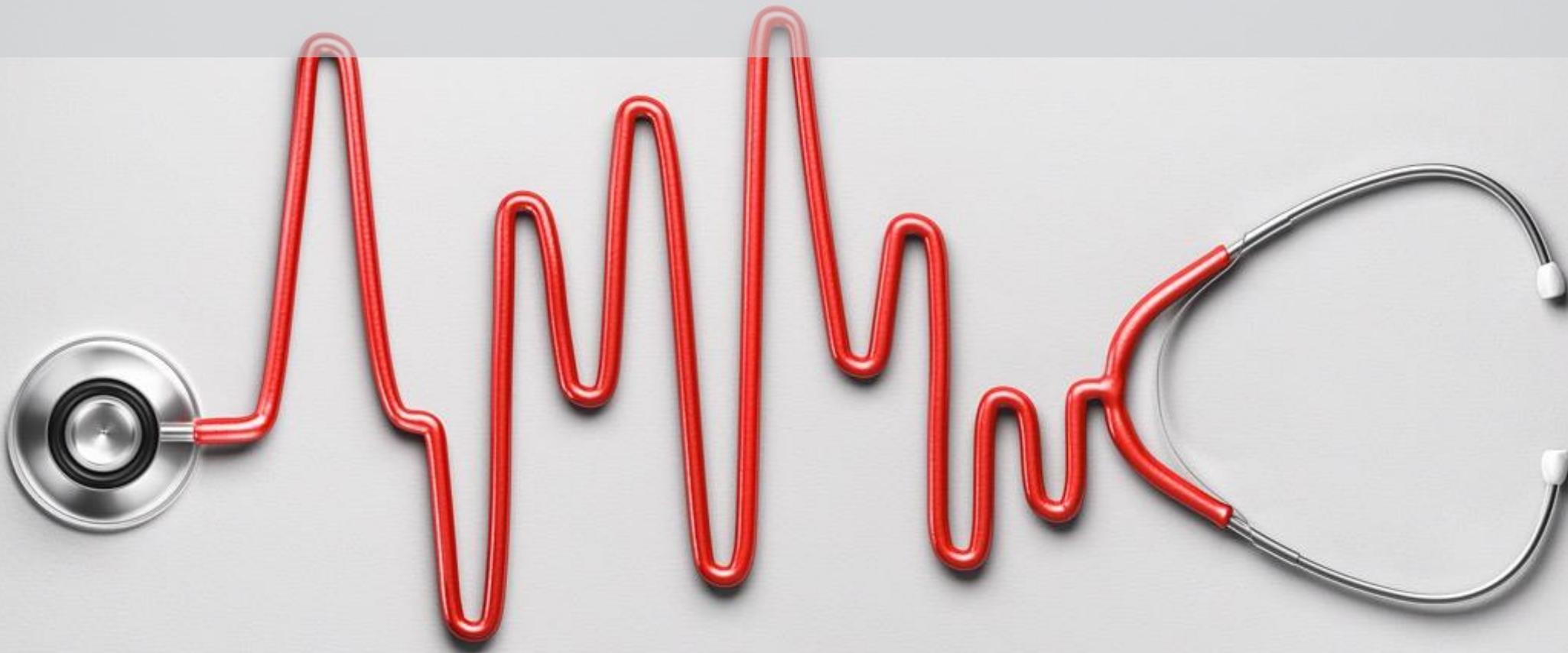
Based on RCT data

**FOCUS ON TREATING SYMPTOMATIC INFECTIONS.
AVOID TREATING ASYMPTOMATIC BACTERURIA TO PRESERVE ANTIBIOTIC EFFICACY.**

Optimizing Vaccine Strategy Around Kidney Transplant



CVD PREVENTION:



ADDRESSING THE LEADING POST-TRANSPLANT RISK

CVD Burden & Risk Profile in Transplantation

TRADITIONAL RISKS

Advanced Age



Smoking History



Hypertension (HTN)



Dyslipidemia



50% of Deaths

Leading Cause of Mortality
Post-Transplant



TRANSPLANT SPECIFIC



NODAT
(New Onset Diabetes)



Suboptimal Graft
Function (CKD)



Immunosuppression
(Dyslipidemia)



Weight Gain



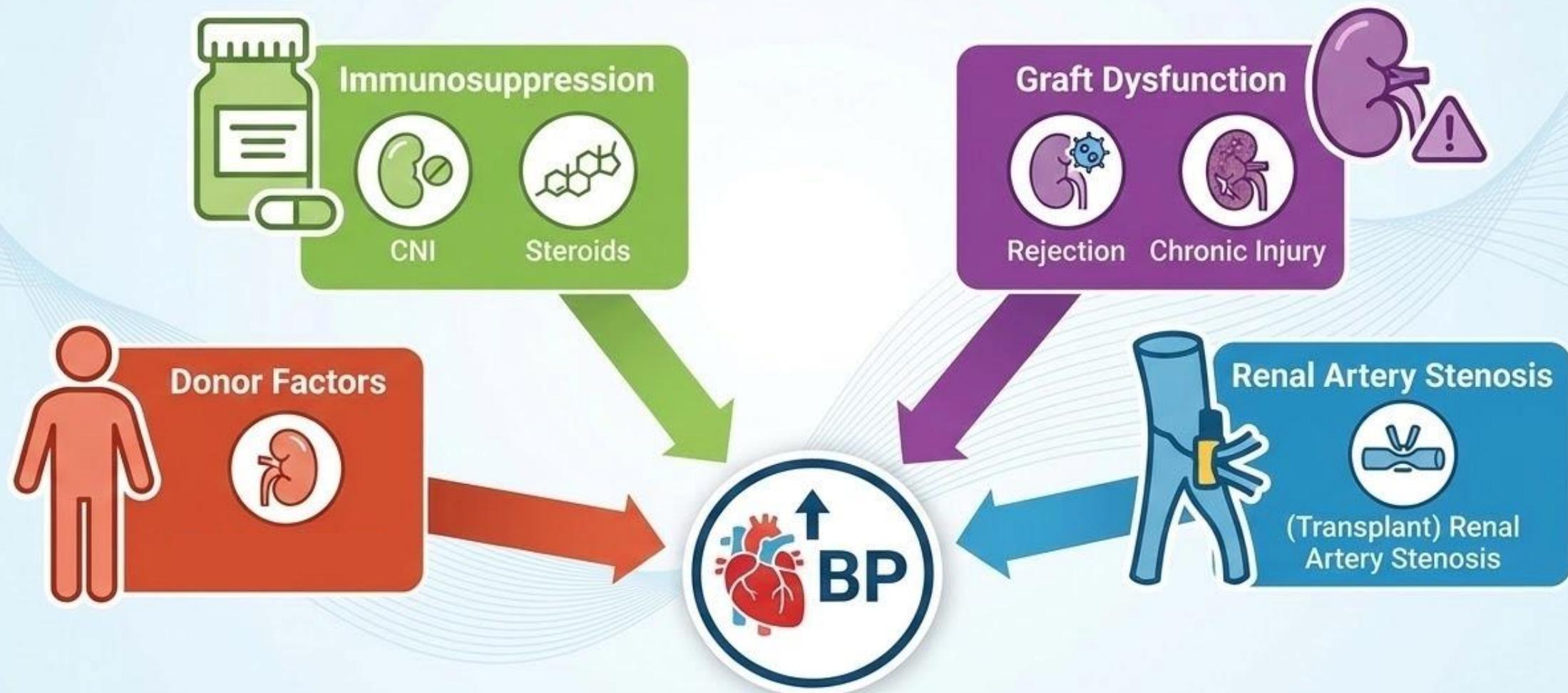
Statin & Calcineurin Inhibitor (CNI) Management



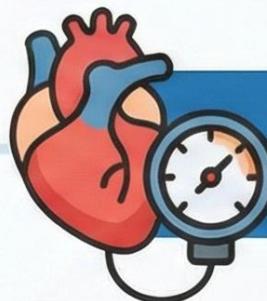
Caution: Competition for CYP3A4 metabolism. Start low, go slow to reduce risk of toxicity and myopathy



Post-Transplant Hypertension: Contributing Factors



Hypertension in Transplant



80% Prevalence



THE TARGET
 $< 130 / 80$



SAFE PRESCRIBING

Avoid Non-DHP CCB



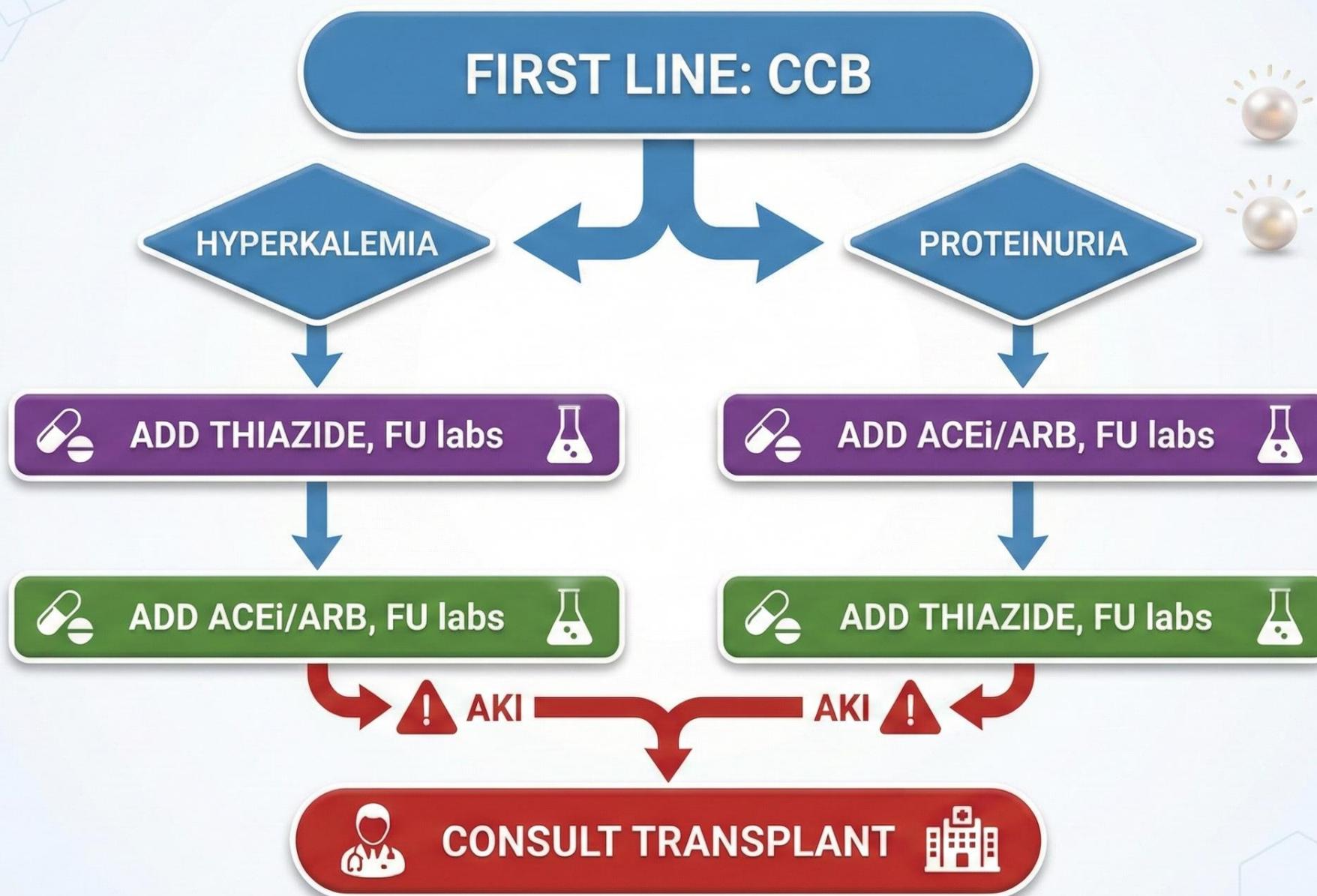
Counteracts
CNI-related renal
hypoperfusion

PHARMACOTHERAPY



Disrupts graft
monitoring. Avoid
in first 3-6 mo

Practical Pharmacotherapy Ladder



NEPHROLOGY'S NEW PILLARS IN CKD

SGLT2i (CREDENCE, DAPA-CKD, EMPA-KIDNEY)



- Slows CKD progression
- Reduces albuminuria
- Improves CV outcomes

ns-MRA (Finerenone: FIDELITY)



- Synergistic proteinuria improvement
- Significant CV risk mitigation in T2D-CKD

GLP1RA (FLOW, LEADER)



- Landmark reduction in primary kidney endpoints and MACE
- Provides metabolic and weight management

THE POST-TRANSPLANT DATA GAP

Observational Evidence



- SGLT2i likely safe (stable eGFR, low UTI risk)
- GLP1RA effective (PTDM, weight)
- Trend: Improved CV/renal outcomes



The RCT Paradox

Transplant recipients **STRICTLY EXCLUDED** from landmark CKD trials.



Gaps

Safety/proteinuria reduction observed, but **CRITICAL DEARTH** of RCT evidence for graft survival & long-term CV outcomes.

CKD vs Transplant: Evolution of Care

ASPECT

CKD

TRANSITION

TRANSPLANT

	< 130/80 Consider <120/80		< 130/80
	ACEi/ARB + THIAZIDE		Often CCB Reserve ACEi/ARB for >6mo
	ACEi/ARB + SGLT2i DM: MRA, GLP1RA		ACEI: no clear benefit, still used SGLT2i: “off label” observational evidence, RCT pending
	RF management: lipids, HTN ACEI/ARB SGLT2i GLP1RA		RF management: lipids, HTN Others not studied, observational evidence to date
	Low GFR restricts options		Increased GFR expands options Caution: SGLT2i, GLP1RA



POST-TRANSPLANT MALIGNANCY

RISKS AND PREVENTION

POST-TRANSPLANT MALIGNANCY: BURDEN & SCREENING



HIGH BURDEN OF ILLNESS



SIGNIFICANTLY
INCREASED RISK



~15% MORTALITY



VIRALLY DRIVEN CANCERS
ESPECIALLY INCREASED

CERTAIN CANCERS $>5\times$ RISK:



Kaposi
sarcoma



Non-melanoma
skin cancer



Non-Hodgkin
lymphoma



Liver



Anogenital



MOST COMMON:
SCC (Squamous Cell Carcinoma)



SCREENING: FAMILY DOCTOR FOCUS

EVIDENCE LACKING IN
TRANSPLANT POPULATION



SUGGESTED
APPROACH:



AGE/GENDER
APPROPRIATE
SCREENING



+ SKIN CHECKS

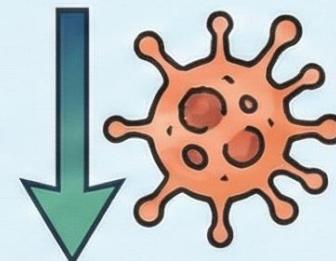
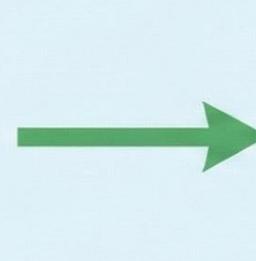


The Importance of Skin Checks

SCREENING GAP & BENEFIT



Adherence is LOW
(45%)



Screening REDUCED
advanced Ca (35%)



FAMILY DOCTOR ROLE



SUNTRAC Tool:
Risk Stratify

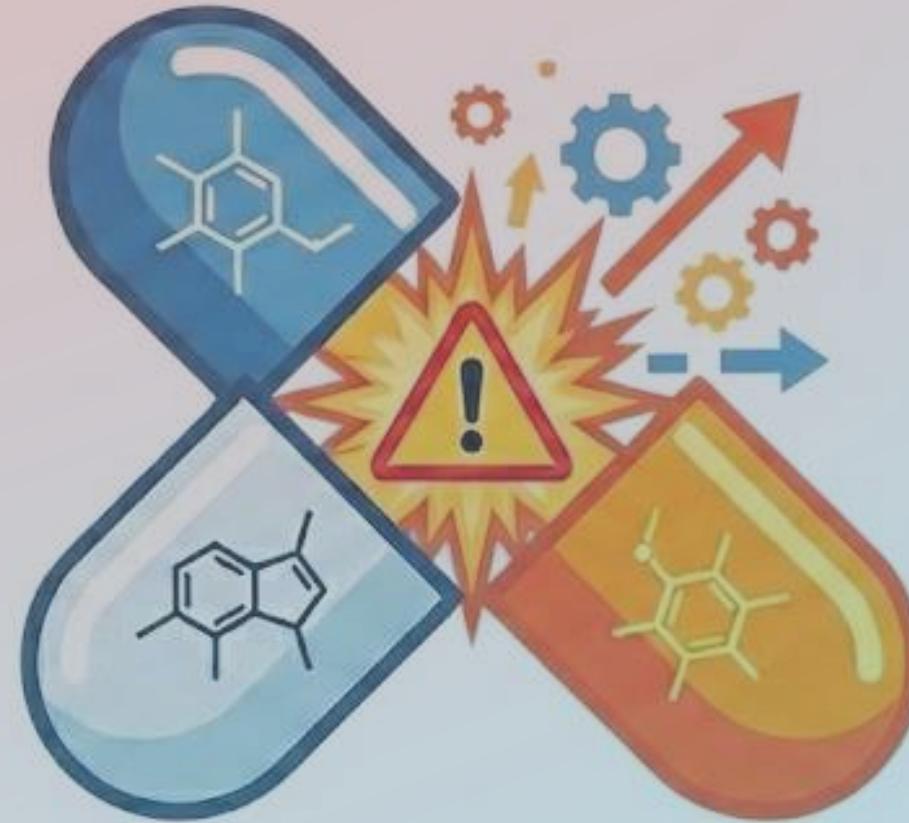


Derm Clinic
Capacity Issues



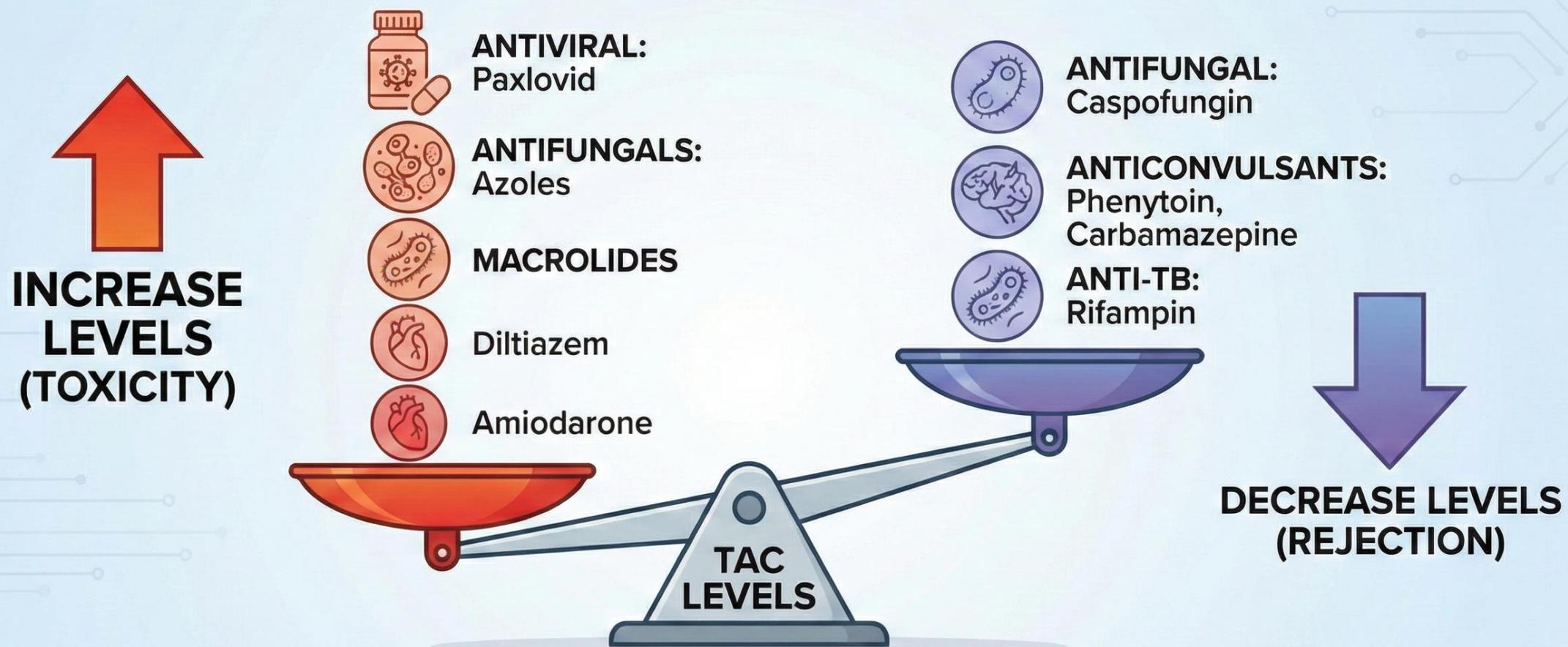
**FAMILY DOCTORS:
KEY TO FILLING THE GAP**

SAFE PRESCRIBING



AVOIDING DRUG INTERACTIONS

TACROLIMUS DRUG INTERACTIONS



AVOID ENTIRELY (WITH CYCLOSPORINE):
LOVASTATIN, SIMVASTATIN, PITAVASTATIN

Shared Care: Key Points



CVD Prevention

Address the **leading cause** of post-transplant death

Target BP < 130/80

Manage lipids and glucose aggressively



Screening & Vaccines

High skin cancer risk: **annual** derm checks

Maintain age-appropriate cancer screening

Ensure up to date (inactivated) vaccinations



Safe Prescribing

Check Tac interactions: pharmacy is your friend

Avoid NSAIDs

Transplant-specific risks: SGLT2i, GLP1RA



When to Call Transplant

Unexplained Creatinine rise (>20%)

Recurrent infections

Complications of immunosuppression

Uncontrolled HTN



Questions?

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