



** Renal Failu	re Patient *	.
Patient Data	Δ Normal	
Plasma _{K+}	ſ	IN POR
P _{Urea}	ſ	The
BP	ſ	
P _{PO4-}	ſ	
Hematocrit	₩	
P _{HCO3-}	₽	
P _{pH}	₩	
P _{Ca2+}	Ų	

REVIEW - Filtration & Reabsorption				
	Amount FILTER/d	Amount EXCRETE/d	% REABSORB	
√ Water (L)	180	1.8	99.0	
** K ⁺ (mEq)	720	100	86.1	
√ Ca²+ (mEq)	540	10	98.2	
HCO ₃ - (mEq)	4,320	2	99.9+	
√ Cl⁻ (mEq)	18,000	150	99.2	
√ Na⁺ (g)	25,500	150	99.5	
$\sqrt{\text{Glucose}}$ (mmol)	800	0	100	
√ Urea (g)	56	28	50	































- PT reabsorb 67% (paracellular)
- TAL reabsorb 20% (NKCC2)
- DT reabsorbs 3% (H+/K+ ATPase) or secretes 10 - 50% (K+ channel)
- CD reabsorbs 9% or secretes 5 - 30% (K⁺ channel)
- Excreted 1 80%
 K⁺ handling critically dependent on dietary K⁺

regulated distal segments



























