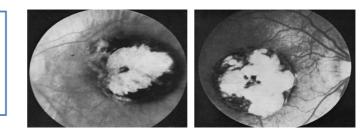


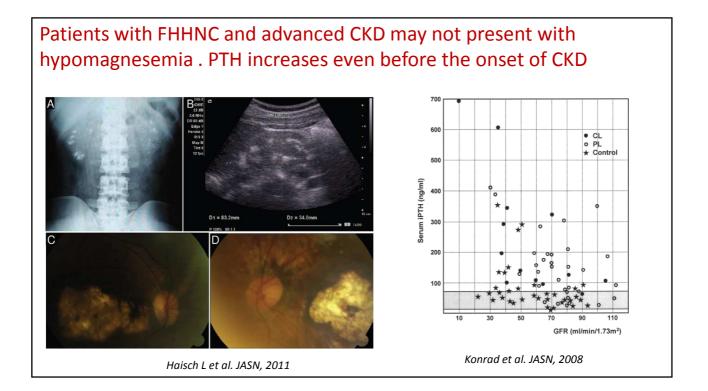
Familial Hypomagnesemia with hypercalciuria & nephrocalcinosis (FHHNC)

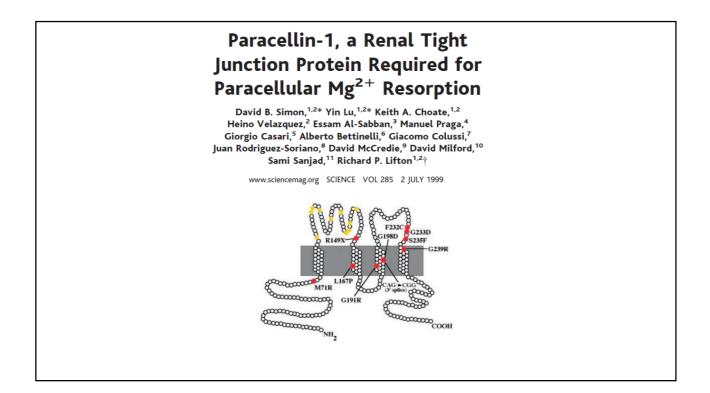
± Ocular phenotype

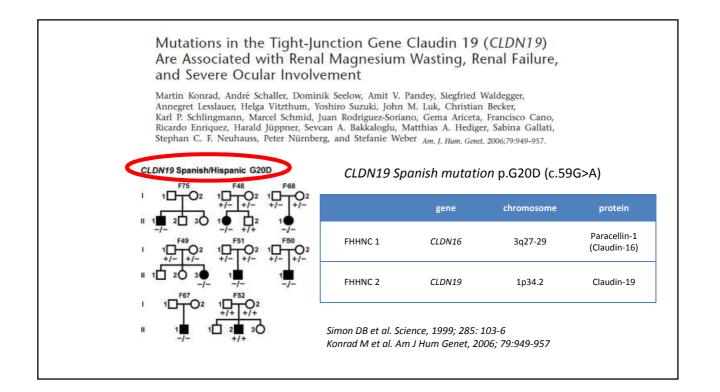
Reduced visual ability
Macular Colobomata
Retinopathy
Nystagmus
Severe Myopia

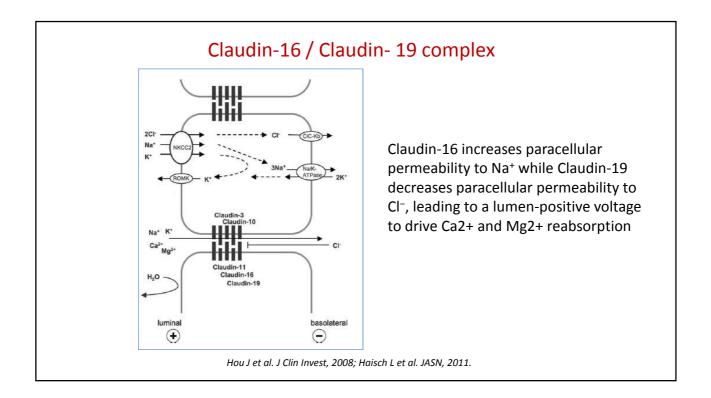


Maier et al. (1979) Helv Paediatr Acta 34



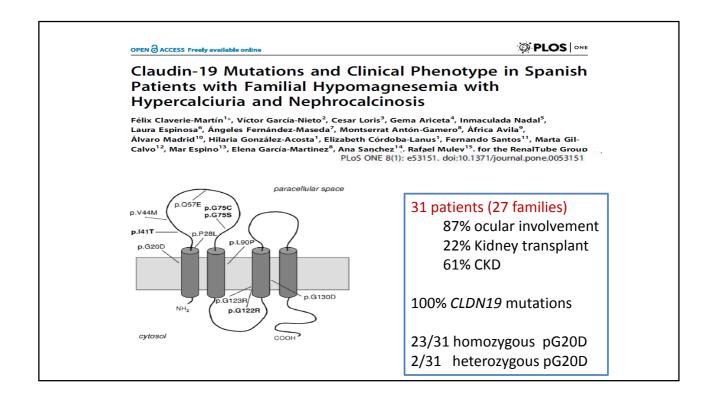


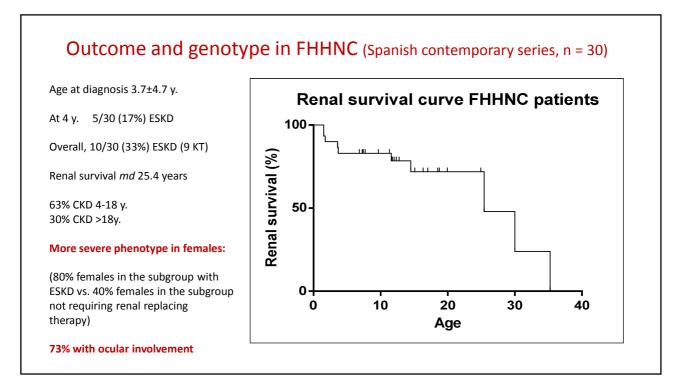


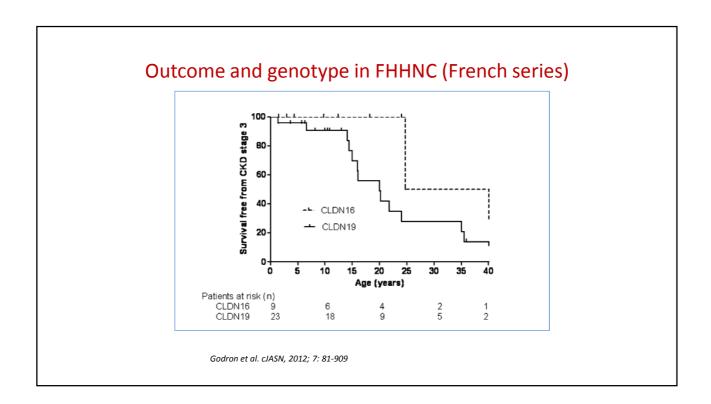


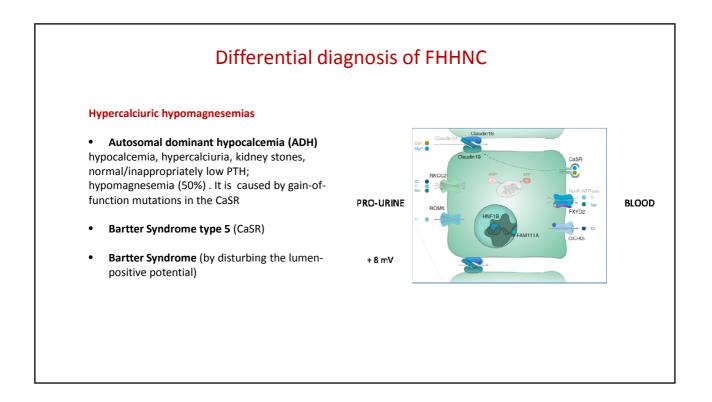
7

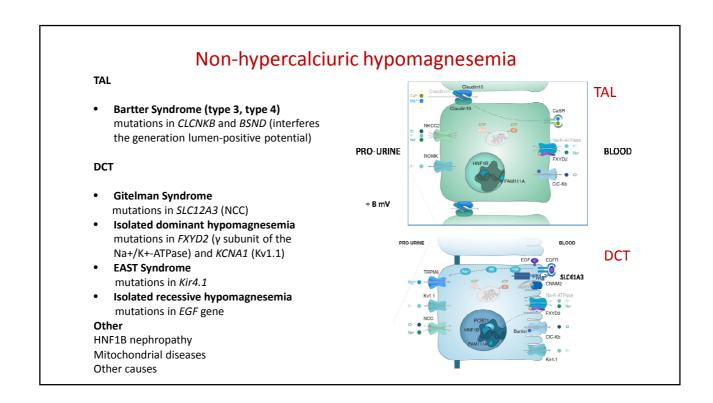
al Mg supplements:
n: to avoid symptoms of hypomagnesemia, but Mg2+ persists
hiazides: to reduce hypercalciuria
itrate (caution with serum K ⁺)
Avoid acquired renal damage (dehydration, drugs,)
idney transplant cures FHHNC



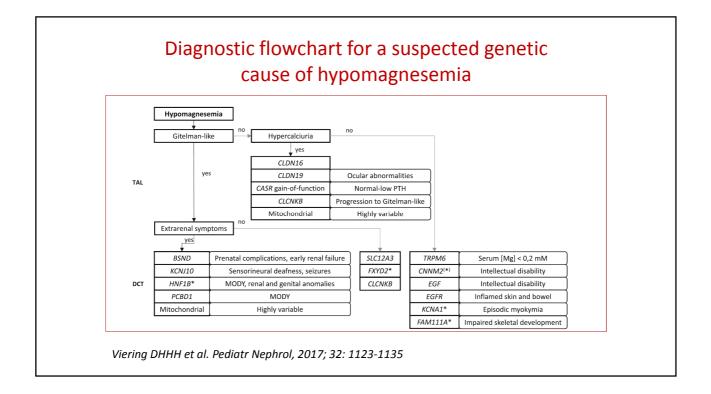








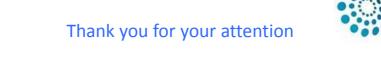
10



Drug	Mechanism
Proton pump inhibitors (omeprazole)	Reduced TRPM6 expression
Diuretics (furosemide, thiazides)	Effect on NKCC2, NCC
Cisplatin	Reduced TRPM6 expression
Immunosuppresants (CsA, tacrolimus)	Reduced TRPM6 expression
Anti-EGF receptors (cetuximab, panitumumab)	Reduced TRPM6 expression
Antimicrobials	Induced Fanconi Syndrome

ERKNet

Rare Kidney Disease Reference Network



Next Webinar June 12th

Dr. Roser Torra

Renal involvement in Tuberous Sclerosis Complex