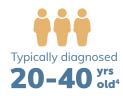
The role of APRIL in IgA nephropathy

Immunoglobulin A nephropathy:

(IgA nephropathy, or IgAN)

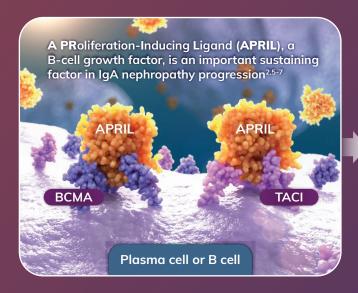
is a progressive, autoimmune, chronic kidney disease^{1,2}

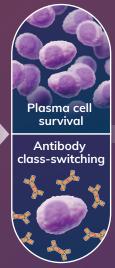






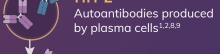
APRIL plays a key role in the 4-HIT pathogenic cascade of IgA nephropathy^{2,3,5}





APRIL mediates the production of pathogenic Gd-IgA1 and immune complex formation^{2,6}







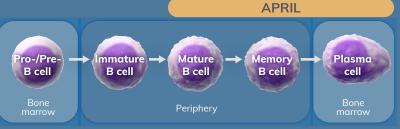


HIT 4

Immune complex deposition in the glomerular mesangium, resulting in inflammation which drives continued glomerular injury^{1,2,8,9}

Progressive loss of kidney function and may result in ESKD4,9

APRIL promotes plasma cell survival and antibody class-switching⁷



APRIL regulates later stages of B-cell development^{2,6}

Higher serum APRIL levels are associated with







Post-kidney transplant recurrence3,*



Patients with highest serum APRIL levels have

higher risk of progressing to ESKD11,1

*Elevated pre-transplant serum APRIL levels are linked to IgA nephropathy recurrence in patients post-kidney transplantation.
¹Compared with patients with IgA nephropathy who have undetectable levels of APRIL.
BCMA=B-rell maturation antigen; ESKD=end-stage kidney disease; Gd-IgA1=galactose-deficient
immunoglobulin A1; TACl=transmembrane activator calcium modulator and cyclophilin ligand interactor.

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video to learn about APRIL NephU 🆢

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