

# Supplementary

**Table S1.** displaying the five approved anti-TNF- $\alpha$  inhibitors in chronological order of first approval by Food and Drug Administration (FDA).

TNF $\alpha$ inhibitor	First Approval date by FDA	Indications	Administration Route, Dosing	Comments
Infliximab	1998 (CD,FDA)	CD and UC (adult and pediatric) RA, AS, PsA, Psoriasis	iv, 3 to 5 mg/kg at 0, 2, 6 weeks, then every 6-8 weeks	Pediatric IBD
Etanercept	1998 (RA, FDA)	JIA, RA, AS, nr-axSpa, PsA, Ps (adult and pediatric)	sc, 25 mg twice a week or 50 mg/week	Monotherapy possible (no co-treatment with MTX)
Adalimumab	2002 (RA,FDA)	CD and UC (pediatric and adult) JIA, RA, SpA, AS, nr-axSpa, Uveitis, (pediatric and adult), HS, Ps (adult and pediatric)	RA,AS,PsA,axSpA: sc, 40 mg every 2-weeks; Ps:sc, 80mg at 0, then 40mg every 2 weeks CD/UC: sc, 80-160mg at week 0, 40-80mg at week 2, then 40mg every 2 weeks	Pediatric IBD, Uveitis, HS
Certolizumab pegol	2008 (CD,FDA)	RA, AS, nr-axSpa, PsA, Ps (adult)	RA,PsA,axSpA,Ps: sc, 400 mg at 0, 2, 4-weeks, then 200-400 mg every 2 weeks (or 400 mg monthly)	No pediatric indications; low placental transfer
Golimumab	2009 (RA, FDA)	RA, SpA, JIA, AS, PsA, nr-axSpa, UC	RA,PsA,AS,nr-axSpA: sc, 50 mg every 4-weeks; UC: sc, 200 mg at week 0, 100mg at week 2, then 50-100 mg every 4 weeks	

Abbreviations: mAb, Monoclonal Antibody; RA, Rheumatoid Arthritis; SpA, Spondyloarthritis, including nr-axSpA; PsA, Psoriatic Arthritis; JIA, Juvenile Idiopathic Arthritis; CD,Crohn's Disease; UC, Ulcerative Colitis; HS, hidradenitis suppurativa; AS, ankylosing spondylitis; iv, Intravenous Infusion; sc, Subcutaneous Injection; PEG, Pegylated; TNFR, Tumor Necrosis Factor Receptor. \*Indications, administration route and dosing are extracts of the respective currently available SmPCs. For simplification, only the rheumatologic and gastroenterologic indications were listed excluding pediatric indications. For exact dosing instructions for children, as well as for the other approved indications such as uveitis or HS, please refer to the currently locally approved SmPC.