

PHARMACY QI

Practical Tips for Quality Improvement

December 2015

COMMONLY USED BIOLOGICS

- Biological products (biologics) are highly specific therapeutic protein drugs that are produced in a living system.¹
- Biologics are structurally much more complex than traditional drugs.¹

The tables below identify commonly used biologics that may be suitable for resident or caregiver administration by injection (based on opinion of physician).

Acronyms:

AnkSp=Ankylosing Spondylitis, CD=Crohn's Disease, IM=intramuscular, MS=Multiple Sclerosis, PsA=Psoriatic Arthritis, SC=subcutaneous, UC=Ulcerative Colitis, RA=Rheumatoid Arthritis

Biologics for Treatment of Arthritis, Psoriasis, Inflammatory Bowel Disease²

	Arthritis	Plaque Psoriasis	CD and/or UC	Administration
Adalimumab (Humira®)	RA, PsA, AnkSp	Moderate to severe	CD (adult and ped.), UC (adult)	SC injection
Certolizumab (Cimzia®)	RA, PsA, AnkSp	N/A	N/A	SC injection
Etanercept (Enbrel®)	RA, PsA, AnkSp	Moderate to severe	N/A	SC injection
Golimumab (Simponi®)	RA, PsA, AnkSp	N/A	UC (adult)	SC injection and IV administration
Ustekinumab (Stelara®)	PsA	Moderate to severe	N/A	SC injection

Additional Biologics²

Biologic	Condition	Administration
Denosumab (Prolia®)	Osteoporosis	SC injection
Teriparatide (Forteo®)	Osteoporosis	SC injection
Interferon Beta-1A (Avonex®, Rebif®)	MS	IM injection
Interferon Beta-1B (Betaseron®, Extavia®)	MS	SC injection
Insulin	Diabetes	SC injection

References:

1. Kleinberg M, Mosdell KW. Current and future considerations for the new classes of biologics. Am J Health Syst Pharm 2004;61(7):695-708.
2. Information taken from product monographs.