

Pharmacy Prior Authorization

Clinical Guideline – Cytokines and Cell Adhesion Molecule (CAM) Antagonists

Actemra (tocilizumab)	Inflectra (infliximab-dyyb)	Simponi Aria (golimumab)
Arcalyst (rilonacept)	Kevzara (sarilumab)	Stelara (ustekinumab)
Cimzia (certolizumab)	Kineret (anakinra)	Taltz (ixekizumab)
Cosentyx (secukinumab)	Olumiant (baricitinib)	Tremfya (guselkumab)
Enbrel (etanercept)	Orencia (abatacept)	Tysabri (natalizumab)
Entyvio (vedolizumab)	Remicade (infliximab)	Xeljanz (tofacitinib)
Humira (adalimumab)	Renflexis (infliximab-adba)	Xeljanz XR (tofacitinib)
Ilaris (canakinumab)	Siliq (brodalumab)	
Ilumya (tildrakizumab)	Simponi (golimumab)	

Preferred Agents: ENBREL HUMIRA, and KEVZARA are the preferred agents.

Requests for Non-Preferred Anti-Tumor Necrosis Factors (TNFs) (Cimzia, Remicade, Inflectra, Renflexis and Simponi) require trial and failure of all preferred agents (Enbrel, Humira and Kevzara), where indicated, in addition to all other clinical criteria.

Requests for other Non-Preferred Cytokines and Cell Adhesion Molecule (CAM) Antagonists require trial and failure of either Enbrel, Humira or Kevzara (where indicated), in addition to all other clinical criteria.

NOTE: The authorization criteria for Tysabri in multiple sclerosis are included in the Multiple Sclerosis agents Prior Authorization guideline.

General Authorization Guidelines for All Medications and Indications:

- Member is not on another Cytokine or Cell Adhesion Molecule (CAM) Antagonist
- Prescribed by an appropriate specialist based on indication
- Member has been evaluated for, and given appropriate vaccinations, as recommended per Center for Disease Control for member risk factors
- Member has been screened for tuberculosis. If screening was positive for latent tuberculosis, member has received treatment for latent tuberculosis
- The prescribed dose is Food and Drug Administration (FDA) approved for the indication. Doses above the Food and Drug Administration (FDA) approved labeling will not be authorized. Quantity limits exist
- For Anti-Tumor Necrosis Factors only: Member does not have New York Heart Association (NYHA) class III or IV Congestive Heart Failure
- For Anti-Tumor Necrosis Factors, Stelara, Xeljanz, Xeljanz XR, Kineret, Actemra, Ilaris, and Orencia: Member has been screened for Hepatitis B. If member has active or chronic Hepatitis B, member is receiving appropriate antiviral treatment
- For Entyvio and Tysabri: Will be used as monotherapy and not in combination with antineoplastic, immunosuppressive, or immunomodulating agents (for example, azathioprine, 6-mercaptopurine cyclosporine, methotrexate, tumor necrosis factors (TNF) inhibitors)

Pharmacy Prior Authorization

Clinical Guideline – Cytokines and Cell Adhesion Molecule (CAM) Antagonists

Additional Criteria Based on Indication:**Rheumatoid Arthritis: (Enbrel, Humira, Actemra, Cimzia, Inflectra, Kevzara, Kineret, Olumiant, Orencia, Remicade, Renflexis, Simponi, Simponi Aria, Xeljanz, Xeljanz XR)**

- Member is 18 years of age or older
- Diagnosis of active moderate to severe Rheumatoid Arthritis (for example, swollen, tender joints with limited range of motion)
- Documented inadequate response to a three month trial of 2 different non-biologic Disease-Modifying Anti-Rheumatic Drug (DMARD) regimens (one of which must include methotrexate. If there is an intolerance or contraindication to methotrexate, member can use sulfasalazine, or leflunomide
 - Monotherapy: Methotrexate, sulfasalazine, or leflunomide
 - Combination: Methotrexate + sulfasalazine + hydroxychloroquine, or methotrexate + hydroxychloroquine, or methotrexate + leflunomide, or methotrexate + sulfasalazine, or sulfasalazine + hydroxychloroquine
- **Systemic Juvenile Idiopathic Arthritis: [Enbrel, Humira, Orencia (subcutaneous/intravenous)]**
 - Member is 2 years of age or older (Enbrel, Humira, and Orencia (subcutaneous))
 - Member is 6 years -of age or older (Orencia intravenous)
 - Documentation of the following:
 - Member does not have active systemic features (for example, fever, evanescent rash, lymphadenopathy, hepatomegaly, splenomegaly, or serositis)
 - Synovitis is in one or more joints despite a three months treatment with methotrexate, or leflunomide
- **Systemic Juvenile Idiopathic Arthritis: [Kineret, Actemra]**
 - Member is 2 years of age or older
 - Documentation of one of the following:
 - Member does not have active systemic features (for example, fever, evanescent rash, lymphadenopathy, hepatomegaly, splenomegaly, or serositis), and synovitis is in one or more joints despite a three months treatment with methotrexate, or leflunomide
 - Member has active systemic features (for example, fever, evanescent rash, lymphadenopathy, hepatomegaly, splenomegaly, or serositis), and synovitis is in at least one joint
 - Member does not require trial of Enbrel or Humira
- **Systemic Juvenile Idiopathic Arthritis: (Ilaris)**
 - Member is 2 years of age or older and weighs at least 7.5 kilograms
 - Documentation of the following:
 - Member has active systemic features (for example, fever, evanescent rash, lymphadenopathy, hepatomegaly, splenomegaly, or serositis)
 - Synovitis is in one or more joints despite a one month treatment with Kineret or Actemra, and methotrexate or leflunomide (Kineret and Actemra are Non-Formulary and will require Prior Authorization)
 - Member does not require trial of Enbrel or Humira
- **Polyarticular Juvenile Idiopathic Arthritis: [Enbrel, Humira, Orencia (intravenous/subcutaneous), Actemra]**
 - Member is 2 years of age or older (Enbrel, Humira, Orencia (subcutaneous), and Actemra)

Pharmacy Prior Authorization

Clinical Guideline – Cytokines and Cell Adhesion Molecule (CAM) Antagonists

- Member is 6 years of age or older (Orencia (intravenous))
- Documented inadequate response to a three months trial of methotrexate
- If member has an intolerance, or contraindication to methotrexate, a documented trial of sulfasalazine, or leflunomide for 3 months is required
- **Oligoarticular Juvenile Idiopathic Arthritis: (Enbrel, Humira)**

NOTE: Anti-Tumor Necrosis Factors are not standard therapy for most members, as this is usually a self-limiting condition that rarely becomes chronic

 - Member is 2 years of age or older
 - Member has extended Oligoarticular Juvenile Idiopathic Arthritis, defined as disease duration greater than 6 months
 - Documented inadequate response or intolerable side effect to two Non-Steroidal Anti-Inflammatory Drugs, or member has a contraindication to Non-steroidal Anti-Inflammatory Drugs
 - Documented inadequate response or intolerable side effect to a three month trial of methotrexate, or member has a contraindication to methotrexate
- **Cryopyrin-Associated Periodic Syndromes: (Kineret)**
 - Diagnosis of Cryopyrin-Associated Periodic Syndromes, including neonatal-onset multisystem inflammatory disease, Familial Cold Auto Inflammatory Syndrome, or Muckle-Wells Syndrome
 - NOTE: Member does not require trial of Enbrel or Humira
- **Cryopyrin-Associated Periodic Syndromes: (Arcalyst, Ilaris)**
 - Member is 4 years of age or older and weighs at least 15 kilograms (Ilaris)
 - Member is 12 years of age or older (Arcalyst)
 - Diagnosis of Cryopyrin-Associated Periodic Syndromes with one of the following subtypes
 - Familial Cold Auto Inflammatory Syndrome
 - Muckle-Wells syndrome
 - Member had a three months trial of Kineret (Kineret is Non-Formulary and will require a Prior Authorization)
- Member does not require trial of Enbrel or Humira **Familial Mediterranean Fever: (Ilaris)**
 - Member is 2 years of age or older
 - Documented inadequate response, intolerance, or contraindication to colchicine at maximum indicated dose
- **Giant Cell Arteritis: (Actemra subcutaneous)**
 - Member is 18 years of age or older
 - Documented inadequate response, intolerance, or contraindication with glucocorticoids (for example prednisone, methylprednisolone).
 - If member has an intolerance, or contraindication to glucocorticoids, a trial of methotrexate or cyclophosphamide is required
 - Actemra will be used in combination with a tapering course of glucocorticoids
- **Ankylosing Spondylitis: (Enbrel, Humira, Cimzia, Cosentyx, Inflectra, Remicade, Renflexis, Simponi, Simponi Aria)**
 - Member is 18 years of age or older

Pharmacy Prior Authorization

Clinical Guideline – Cytokines and Cell Adhesion Molecule (CAM) Antagonists

- Documented inadequate response to a one month trial of two Non-Steroidal Anti-Inflammatory Drugs, or member has a contraindication or intolerance to oral Non-Steroidal Anti-Inflammatory Drugs
- **Psoriatic Arthritis: (Enbrel, Humira, Cimzia, Cosentyx, Inflectra, Orencia, Remicade, Renflexis, Simponi, Simponi Aria, Stelara, Taltz, Xeljanz, Xeljanz XR)**
 - Member is 18 years of age or older
 - Documentation of one of the following:
 - Member has active Psoriatic Arthritis, and an inadequate response to a three months trial of methotrexate, or if member has intolerance, or contraindication to methotrexate, a trial of sulfasalazine, or leflunomide for 3 months is required
 - Member has predominantly axial disease or active enthesitis/dactylitis, and had an inadequate response to a one month trial of two Non-Steroidal Anti-Inflammatory Drugs, or member has a contraindication or intolerance to oral Non-Steroidal Anti-Inflammatory Drugs

Note:

- Member should continue use of Non-Steroidal Anti-Inflammatory Drugs as needed for bridging or adjunctive therapy when starting a Disease-Modifying Anti-Rheumatic Drug
- Cosentyx and Stelara should be considered if member has contraindication to Tumor Necrosis Factor Inhibitors (for example, Heart failure, Multiple Sclerosis), where Tumor Necrosis Factor Inhibitor is indicated
- **Plaque Psoriasis: (Enbrel, Humira, Cimzia, Cosentyx, Ilumya, Inflectra, Remicade, Renflexis, Siliq, Tremfya, Stelara, Taltz)**
 - Member is 18 years of age or older (Humira, Cosentyx, Ilumya, Inflectra, Remicade, Renflexis, Siliq, Taltz, Tremfya)
 - Member is 4 years of age or older (Enbrel)
 - Member is 12 years of age or older (Stelara)
 - Documented inadequate response, intolerance, or contraindication, to at least one oral systemic therapy such as methotrexate, or cyclosporine for 3 months or more
 - Member has one of the following:
 - More than 10% of Body Surface Area is affected
 - Less than 10% Body Surface Area is affected, but involves sensitive areas (for example, hands, feet, face or genitals) that interfere with daily activities
 - Psoriasis Area and Severity Index score more than 10
 - Phototherapy (PUVA (psoralen ultra violet type A), UVB (ultraviolet type B)) has been ineffective
 - For Siliq: Mental health evaluation has been completed by prescriber or psychiatrist, if member has history of prior suicide attempt, bipolar disorder or depressive disorder
- **Ulcerative Colitis: (Humira, Entyvio, Inflectra, Remicade, Renflexis, Simponi, Xeljanz)**
 - Member is 18 years of age or older (Humira, Entyvio, Inflectra, Simponi, Renflexis, Xeljanz)
 - Member is 6 years of age or older (Remicade)
 - STEROID-DEPENDENT Ulcerative Colitis:
 - Documented relapse within three months of stopping glucocorticoids, or is unable to taper steroids to an acceptable dose after 3 months, without having symptom recurrence
 - Documented inadequate response, or intolerable side effects, with a 3-month trial of mercaptopurine, or azathioprine, or has contraindication to both

Pharmacy Prior Authorization

Clinical Guideline – Cytokines and Cell Adhesion Molecule (CAM) Antagonists

- STEROID-REFRACTORY Ulcerative Colitis
 - Documented inadequate response, or intolerable side effect to intravenous glucocorticoids after 7-10 days, or oral prednisone greater than or equal to 40mg per day after 30 days
 - Member meets one of the following:
 - ❖ Documented failure of mercaptopurine, and azathioprine, or there is a contraindication to both medications, and member is not a candidate for treatment with these agents for current episode
 - ❖ Documented inadequate response, or intolerable side effect to cyclosporine, or member has contraindication to cyclosporine (NOTE: cyclosporine is used as a bridge therapy for members who will be started on slower acting mercaptopurine, or azathioprine)
 - ❖ Member had surgical intervention
- **Additional Criteria for Crohn's Disease: (Humira, Cimzia, Entyvio, Inflectra, Remicade, Renflexis, Stelara, Tysabri)**
 - Member is 18 years of age or older (Cimzia, Entyvio, Stelara, Tysabri)
 - Member is 6 years of age or older (Humira, Inflectra, Remicade, Renflexis)
 - STEROID-DEPENDENT CROHN'S :
 - Documented relapse within three months of stopping glucocorticoids, or is unable to taper steroids to an acceptable dose after 3 months without having symptom recurrence
 - Documented inadequate response, or intolerable side effect, with a 3-month trial of mercaptopurine, or azathioprine, or injectable methotrexate, or member has a contraindication to all agents
 - STEROID-REFRACTORY CROHN'S:
 - Documented inadequate response, or intolerable side effects, to intravenous glucocorticoids after 7-10 days, or oral prednisone greater than or equal to 40mg per day after 30 days (NOTE: It is recommended to switch to intravenous glucocorticoids for members that are not responding to oral glucocorticoids)
- **Additional Criteria for Hidradenitis Suppurativa (Acne Inversa): (Humira)**
 - Member is 12 years of age or older
 - Member has moderate to severe disease (Hurley stage II-III)
 - Documentation of trial and failure of a 90 day treatment with oral antibiotics (for example, doxycycline, minocycline, or clindamycin with rifampin)
- **Additional Criteria for Uveitis: (Humira)**
 - Member is 2 years of age or older
 - Member has intermediate, posterior, or pan uveitis that is not caused by an infection
 - Documented inadequate response, or intolerable side effect, with any of the following: Corticosteroids, methotrexate, azathioprine, mycophenolate, cyclosporine, tacrolimus, or medications are not appropriate
- **Additional Criteria for Cytokine Release Syndrome: (Actemra intravenous only)**
 - Member is 2 years of age or older
 - Member has Grade 4, severe or life threatening Cytokine Release Syndrome diagnosis due to chimeric antigen receptor-T cell therapy

Pharmacy Prior Authorization
Clinical Guideline – Cytokines and Cell Adhesion Molecule (CAM) Antagonists

Initial Approval:

4 months

Renewal:

1 year

Requires:

Member has shown improvement in signs and symptoms of disease

Dosing and administration:• **Humira:**

- For Hidradenitis suppurativa:
 - Adults: 160 mg day 1, followed by 80 mg day 15(6 syringes/28 days) for induction period, thereafter 40 mg once a week starting day 29 (4 syringes/28 days)
 - Children 12-17 years old:
 - >60 kg or more: 160 mg day 1, followed by 80 mg day 15(6 syringes/28 days) for induction period, thereafter 40 mg once a week starting day 29 (4 syringes/28 days)
 - 30-59 kg: 80 mg on day 1, then maintenance treatment of 40 mg once every other week starting on day 8.
- For Rheumatoid Arthritis , Ankylosing Spondylitis , Psoriatic Arthritis , and Juvenile Idiopathic Arthritis : Two syringes/pens per 28 days
- For Crohn's, Ulcerative Colitis:
 - Six syringes/pens in the initial 28 days
 - Crohn's, Ulcerative Colitis: Two syringes/pens per 28 days after induction period;
- For Psoriasis
 - Four syringes/pens in the initial 28 days
 - Two syringes/pens per 28 days after induction period
- For Uveitis:
 - Adults: 80 mg day 1, followed by 40 mg dose every other week starting 1 week after the initial dose(4 syringes in the initial 28 days), then 2 syringes/ pens per days after induction period.
 - Children 2-17 years old:
 - 30 kg or more: 40 mg every other week
 - 15-29 kg: 20 mg every other week
 - 10-14 kg: 10 mg every other week

• **Enbrel**

- For Rheumatoid Arthritis , Ankylosing Spondylitis , Psoriatic Arthritis, and Juvenile Idiopathic Arthritis: Four, 50mg syringes, OR eight 25mg syringes per 28 days
- For Psoriasis:
 - 8, 50mg syringes per 28 days for the initial 3 months
 - 4, 50mg syringes per 28 days after induction period

• **Actemra Subcutaneous**

- For Rheumatoid Arthritis:
 - Weight <100kg: Two syringes per 28 days. Max dose is 4 syringes per 28 days

Last Update: 10/2016, 05/08/2017, 2/2018, 6/1/2018

Effective: 6/3/2019

Pharmacy Prior Authorization

Clinical Guideline – Cytokines and Cell Adhesion Molecule (CAM) Antagonists

- Weight ≥ 100 kg: Four syringes per 28 days
- For Giant Cell Arteritis:
 - 162mg once weekly in combination with a tapering course of glucocorticoids
 - 162mg once every other week in combination with a tapering course of glucocorticoids may be prescribed based on clinical presentation.
- **Actemra intravenous**
 - For Rheumatoid Arthritis : 4 to 8mg/kg every 28 days
 - For Polyarticular Juvenile Idiopathic Arthritis :
 - Weight < 30 kg: 10mg/kg every 28 days
 - Weight ≥ 30 kg: 8mg/kg every 28 days
 - For Systemic Juvenile Idiopathic Arthritis:
 - Weight < 30 kg: 12mg/kg every 14 days
 - Weight ≥ 30 kg: 8mg/kg every 14 days
 - For Cytokine Release Syndrome:
 - 30 kg or more: 8 mg/kg for one dose, up to 3 additional doses if no clinical improvement (max dose 800 mg)
 - Less than 30 kg: 12 mg/kg for one dose, up to 3 additional doses If no clinical improvement (max dose 800 mg)
- **Cimzia**
 - Six syringes/vials allowed in the initial 54 days
 - Two syringes/vials per 28 days after induction period
- **Cosentyx**
 - For Ankylosing Spondylitis and Psoriatic Arthritis:
 - Four syringes/pens in the initial 28 days
 - One syringe/pen per 28 days after induction period
 - For Psoriasis
 - Eight syringes/pens in the initial 28 days
 - Two syringes/pens per 28 days after induction period
- **Entyvio**
 - For Crohns and Ulcerative Colitis: 300 mg at weeks 0, 2 and 6 for induction (3 vials/6 weeks), then 300 mg (1 vial) every 8 weeks after the induction period
- **Ilaris**
 - For Cryopyrin-Associated Periodic Syndromes (> 40 kg): 150mg every 8 weeks, one vial per 56 days
 - For Cryopyrin-Associated Periodic Syndromes (≤ 40 kg): 2mg/kg every 8 weeks, one vial per 56 days
Dose may be increased to 3mg/kg given every 8 weeks
 - For Systemic Juvenile Idiopathic Arthritis : 4mg/kg (max 300mg) every 4 weeks
 - QLL for doses < 180 mg: One vial per 28 days
 - QLL for doses > 180 mg: Two vials per 28 days
- **Ilumya**
 - For Plaque Psoriasis: 100 mg (two syringes) per 28 days for the induction period; then 100 mg (one syringe) every 12 weeks after the induction period.
- **Kevzara**
 - For Rheumatoid Arthritis : 200mg SC every 2 weeks, two syringes per 28 days

Pharmacy Prior Authorization

Clinical Guideline – Cytokines and Cell Adhesion Molecule (CAM) Antagonists

- **Kineret**
 - For Rheumatoid Arthritis , Juvenile Idiopathic Arthritis, and Cryopyrin-Associated Periodic Syndromes : One syringe per day
- **Olumiant**
 - For Rheumatoid Arthritis: One tablet (2mg) daily
- **Orencia IV:**
 - For Rheumatoid Arthritis :
 - Weight <60kg: Two vials per 28 days
 - Weight 60-100kg: Three vials per 28 days
 - Weight >100kg: Four vials per 28 days
 - For Juvenile Idiopathic Arthritis :
 - Weight <75kg: 10mg/kg every 28 days
 - Weight >75kg: Follow adult Rheumatoid Arthritis dosing above
- **Orencia Subcutaneous**
 - For Rheumatoid Arthritis : 125 mg once a week
 - For Polyarticular juvenile idiopathic arthritis:
 - Children and adolescents 2 years and older weighing greater 50 kg: 125 mg subcutaneously once a week
 - Children and adolescents 2 years and older weighing 25 kg to less than 50 kg: 87.5 mg subcutaneously once a week
 - Children and adilesents 2 years and older weighing 10kg to 25 kg: 50 mg subcutaneously once a week
 - For Psoriatic Arthritis: 125 mg subcutaneously once a week
- **Remicade/Inflectra/Renflexis**
 - For Rheumatoid Arthritis: 3mg/kg at week 0, 2 and 6, then every 8 weeks thereafter. Max dose 10mg/kg every 8 weeks or 3mg/kg every 4 weeks.
 - For Crohns: 5mg/kg at week 0, 2 and 6, then every 8 weeks thereafter. Max dose 10mg/kg every 8 weeks
 - For Ulcerative Colitis, Psoriatic Arthritis, and Psoriasis: 5mg/kg at week 0, 2 and 6, then every 8 weeks thereafter.
 - For Ankylosing Spondylitis: 5mg/kg at week 0, 2 and 6, then every 6 weeks thereafter.
- **Siliq**
 - For psoriasis: Four (210mg) syringes for first 28 days; Two syringes per 28 days thereafter.
 - Treatment should be discontinued if inadequate response after 12 to 16 weeks.
- **Simponi**
 - For Rheumatoid Arthritis, Ankylosing Spondylitis, and Psoriatic Arthritis : One, 50mg syringe per 28 days
 - For Ulcerative Colitis:
 - Three, 100mg syringes allowed in the initial 54 days
 - One, 100mg syringe per 28 days after induction period
- **Simponi Aria**

Pharmacy Prior Authorization

Clinical Guideline – Cytokines and Cell Adhesion Molecule (CAM) Antagonists

- For Rheumatoid Arthritis : 2mg/kg at week 0 and 4, then every 8 weeks thereafter
- **Stelara**
 - For Psoriasis
 - Weight ≤100kg: One, 45mg syringe per 28 days for initial 2 months; then one, 45mg syringe per 84 days
 - Weight >100kg: One, 90mg syringe per 28 days for initial 2 months; then one, 90mg syringe per 84 days
 - For Psoriatic Arthritis
 - One, 45mg syringe per 28 days for initial 2 months; then 1, 45mg syringe per 84 days
 - For Crohns
 - One, 90mg syringe per 56 days
- **Taltz**
 - For Psoriasis
 - Three syringes in the first 28 days
 - Two syringes per 28 days for months 2 and 3
 - One syringe per 28 days after initial induction
 - For Psoriatic Arthritis
 - 160 mg subcutaneously at week 0 (administered as two 80-mg injections, 2 syringes/2 ml); then 80 mg subcutaneously, 1 syringe (1 ml) every 4 weeks.
- **Tremfya**
 - For psoriasis
 - 100mg SQ at week 0 and week 4, followed by 100mg every 8 weeks.
- **Tysabri**
 - For Crohns: 1 vial per 28 days
- **Xeljanz**
 - For Rheumatoid Arthritis: Two (5 mg) tablets per day
 - For Psoriatic Arthritis: Two (5 mg) tablets per day
 - For Ulcerative Colitis: 10 mg twice a day for 8 weeks, then 5 mg or 10 mg twice a day
- **Xeljanz XR**
 - For Rheumatoid Arthritis: One (11 mg) tablet per day
 - For Psoriatic Arthritis: One (11 mg) tablet per day

Examples of Contraindications to Methotrexate

- Alcoholism, alcoholic liver disease or other chronic liver disease
- Breastfeeding
- Blood dyscrasias (for example thrombocytopenia, leukopenia, significant anemia)
- Elevated liver transaminases
- History of intolerance or adverse event
- Hypersensitivity
- Interstitial pneumonitis or clinically significant pulmonary fibrosis
- Myelodysplasia

Pharmacy Prior Authorization

Clinical Guideline – Cytokines and Cell Adhesion Molecule (CAM) Antagonists

- Pregnancy or planning pregnancy (male or female)
- Renal impairment
- Significant drug interaction

Examples of Clinical Reasons to Avoid Treatment with Methotrexate, Cyclosporine:

- Alcoholism, alcoholic liver disease or other chronic liver disease
- Breastfeeding
- Drug interaction
- Cannot be used due to risk of treatment-related toxicity
- Pregnancy or planning pregnancy (male or female)
- Significant comorbidity prohibits use of systemic agents (examples include liver or kidney disease, blood dyscrasias, uncontrolled hypertension)

Examples of Contraindications to the Use of NSAIDs:

- Allergic-type reaction following aspirin or other NSAID administration
- Asthma
- Gastrointestinal bleeding
- History of intolerance or adverse event
- Urticaria
- Significant drug interaction

References:

1. Enbrel (etanercept) [package insert]. Thousand Oaks, CA; Immunex Corporation; Revised Nov .2017
2. Humira (adalimumab) [package insert]. North Chicago, IL; AbbVie Inc.; Revised. December 2018
3. Cimzia (certolizumab) [package insert]. Smyrna, GA; UCB Inc.; Revised June 2018
4. Remicade (infliximab) [package insert]. Horsham, PA; Janssen Biotech Inc.; Revised June 2018
5. Simponi (golimumab) [package insert]. Horsham, PA; Janssen Biotech Inc.; Revised May 2018
6. Orencia (abatacept) [package insert]. Princeton, NJ; Bristol-Myers Squibb Company; Revised J. June 2017
7. Xeljanz (tofacitinib citrate) [package insert]. NJ, NJ; Pfizer Labs; Revised October 2018
8. Stelara (ustekinumab) [package insert]. Horsham, PA; Janssen Biotech, Inc. Revised June 2018
9. Kineret (anakinra) [package insert]. Stockholm, Sweden; Swedish Orphan Biovitrum AB; Revised June 2018
10. Actemra (tocilizumab) [package insert]. South San Francisco, CA; Genetec, Inc.; Revised September 2018
11. Ilaris (canakinumab) [package insert]. East Hanover, NJ; Novartis Pharmaceuticals Corporation; Revised December 2016.
12. Siliq (brodalumab) [package insert]. Valeant Pharmaceuticals, Bridgewater, NJ, Revised July, 2017.
13. Tremfya (guselkumab) [Package insert]. Janssen Biotech, Inc.; Horsham, PA; October 2017.
14. Arcalyst (rilonacept) [Package insert]. Regeneron Pharmaceuticals, Inc.; Tarrytown, NY, Revised October 2018
15. Kevzara (sarilumab) [Package insert]. Sanofi-Aventis US LLC and Regeneron Pharmaceuticals, Bridgewater, NJ, May 2017.
16. Renflexis (infliximab-adba) [Package insert]. Merck Sharp & Dohme Corp, Kenilworth, NJ, November 2017.
17. Inflectra (infliximab-dyyb) [Package insert]. Hospira, Lake Forest, IL, April 2016.
18. Ilumya (tildrakizumab) [Package Insert]. Merck Sharp & Dohme Corp, Whitehouse Station, NJ, March 2018
19. Olumiant (baricitinib) [Package Insert] Eli Lilly, Indianapolis, IN, May 2018
20. Cosentyx (secukinumab) [Package insert]. Novartis Pharmaceuticals Corp. East Hanover, NJ, June 2018
21. Entyvio (vedolizumab) [Package insert]. Takeda, Deerfield, IL, February 2018.
22. Taltz (ixekizumab) [Package insert]. Eli Lilly, Indianapolis, IL, May 2018.
23. Tysabri (tofacitinib) [Package insert]. Biogen, Cambridge, MA, April 2018.

Pharmacy Prior Authorization

Clinical Guideline – Cytokines and Cell Adhesion Molecule (CAM) Antagonists

24. DRUGDEX System [Internet database]. Greenwood Village, CO: Thomson Micromedex. Updated periodically. Accessed on, November 2018
25. Levy-Clarke G, Jabs DA, Read RW, et al. Expert panel recommendations for the use of anti-tumor necrosis factor biologic agents in patients with ocular inflammatory disorders. *Ophthalmology* 2014; 121:785.
26. Singh JA, Saag KG, Bridges SL, et al. 2015 American College of Rheumatology guideline for the treatment of rheumatoid arthritis. *Arthritis Care Res.* 2016; 68(1):1-25.
27. Ringold S, Weiss PF, Beukelman T, et al. 2013 update of the 2011 American College of Rheumatology recommendations for the treatment of juvenile idiopathic arthritis: recommendations for the medical therapy of children with systemic juvenile idiopathic arthritis and tuberculosis screening among children receiving biologic medications. *Arthritis Care Res.* 2013;65(10):1551-1563.
28. Weiss PF. Polyarticular juvenile idiopathic arthritis: Clinical manifestations and diagnosis. Waltham, MA: Up-to-date; Last modified . September 13, 2018 http://www.uptodate.com/contents/polyarticular-juvenile-idiopathic-arthritis-treatment?source=search_result&search=juvenile+arthritis&selectedTitle=8%7E150. Accessed November 2018.
29. Kimura Y. Systemic juvenile idiopathic arthritis: Treatment. Waltham, MA: Up-to-date; Last modified July 12, 2018 https://www.uptodate.com/contents/systemic-juvenile-idiopathic-arthritis-treatment?source=search_result&search=juvenile+idiopathic+arthritis&selectedTitle=6%7E150. Accessed November 14, 2018
30. Weiss PF. Oligoarticular juvenile idiopathic arthritis. Waltham, MA: Up-to-date; Last modified. October 9, 2018 https://www.uptodate.com/contents/oligoarticular-juvenile-idiopathic-arthritis?source=search_result&search=juvenile+idiopathic+arthritis&selectedTitle=4%7E150. Accessed November 2018.
31. National Institute for Health and Clinical Excellence (NICE). Abatacept, adalimumab, etanercept and tocilizumab for treating juvenile idiopathic arthritis. London (UK): National Institute for Health and Clinical Excellence (NICE); 2016 Dec. 58 p. (NICE technology appraisal guideline; no. 373).
32. Ward MM, Deodhar A, Akl EA, et al. American College of Rheumatology/Spondylitis Association of America/Spondyloarthritis Research and Treatment Network 2015 recommendations for the treatment of ankylosing spondylitis and nonradiographic axial spondyloarthritis. *Arthritis Care Res.* 2016;68(2):282-298.
33. Gossec L, Smolen JS, Ramiro S, et al. European League Against Rheumatism recommendations for the management of psoriatic arthritis with pharmacological therapies: 2015 update. *Ann Rheum Dis.* 2015; 0:1-12.
34. National Institute for Health and Clinical Excellence (NICE). Psoriasis: the assessment and management of psoriasis. London (UK): National Institute for Health and Clinical Excellence (NICE); 2012 Oct. 61 p. (NICE clinical guideline; no. 153).
35. Feldman SR. Treatment of psoriasis. Waltham, MA: Up-to-date; Last modified. November 15, 2018 http://www.uptodate.com/contents/treatment-of-psoriasis?source=search_result&search=psoriasis&selectedTitle=1%7E150#H42. Accessed November 30, 2018.
36. National Institute for Health and Clinical Excellence (NICE). Infliximab, adalimumab and golimumab for treating moderately to severely active ulcerative colitis after the failure of conventional therapy (including a review of TA140 and TA262). London (UK): National Institute for Health and Clinical Excellence (NICE); 2015 Feb. 70 p. (NICE technology appraisal guideline; no. 329).
37. Cohen RD., Stein AC. Approach to adults with steroid-refractory and steroid-dependent ulcerative colitis. Waltham, MA: Up-to-date; Last modified .August 3, 2018 https://www.uptodate.com/contents/approach-to-adults-with-steroid-refractory-and-steroid-dependent-ulcerative-colitis?source=search_result&search=ulcerative%20colitis&selectedTitle=4~150#H14. Accessed November 2018.
38. Peppercorn MA., Farrell RJ. Management of severe ulcerative colitis in adults. Waltham, MA: Up-to-date; Last modified March 19, 2018. https://www.uptodate.com/contents/management-of-severe-ulcerative-colitis-in-adults?source=search_result&search=ulcerative%20colitis&selectedTitle=3~150#H1133536041. Accessed November 2018.

Pharmacy Prior Authorization

Clinical Guideline – Cytokines and Cell Adhesion Molecule (CAM) Antagonists

39. Bousvaros A., Russell GH., Setty M. Management of severe or refractory ulcerative colitis in children and adolescents. Waltham, MA: Up-to-date; Last modified . June 4, 2018 https://www.uptodate.com/contents/management-of-severe-or-refractory-ulcerative-colitis-in-children-and-adolescents?source=search_result&search=ulcerative%20colitis&selectedTitle=8~150. Accessed .November 2018.
40. The Practice Parameters Committee of the American College of Gastroenterology. Ulcerative colitis practice guidelines in adults. *Am J Gastroenterology*. 2010;105:501-523.
41. Farrell RJ, Peppercorn MA. Overview of the medical management of severe or refractory Crohn disease in adults. Waltham, MA: Up-to-date; Last modified May 6, 2018 https://www.uptodate.com/contents/overview-of-the-medical-management-of-severe-or-refractory-crohn-disease-in-adults?source=search_result&search=crohn&selectedTitle=3~150. Accessed November 2018..
42. Bousvaros A. Overview of the management of Crohn disease in children and adolescents. Waltham, MA: Up-to-date; Last modified October 11, 2018. https://www.uptodate.com/contents/overview-of-the-management-of-crohn-disease-in-children-and-adolescents?source=search_result&search=crohn&selectedTitle=4~150. Accessed December 2018.
43. American Gastroenterological Association Institute Clinical Practice and Quality Management Committee. American Gastroenterological Association Institute Guideline on the use of thiopurines, methotrexate, and anti-TNF- α biologic drugs for the induction and maintenance of remission in inflammatory crohn's disease. *Gastroenterology*. 2013;145:1459–1463.
44. Margesson LJ, Danby FW. Treatment of hidradenitis suppurativa (acne inversa). Waltham, MA: Up-to-date; Last modified September 25, 2015. http://www.uptodate.com/contents/treatment-of-hidradenitis-suppurativa-acne-inversa?source=search_result&search=hidradenitis+suppurativa&selectedTitle=1%7E46#H9540636. Accessed October 5, 2015.
45. National Institute for Health and Clinical Excellence (NICE). Adalimumab for treating moderate to severe hidradenitis suppurative. London (UK): National Institute for Health and Clinical Excellence (NICE); 2016 June. 43 p. (NICE technology appraisal guideline; no. 392).
46. Rosenbaum JT. Uveitis: Treatment. Waltham, MA: UptoDate; Last updated .August 21,2018 https://www.uptodate.com/contents/uveitis-treatment?source=search_result&search=uveitis&selectedTitle=2%7E150. Accessed November 2018
47. Lachmann HJ, Kone-Paut I, Kuemmerle-Deschner JB, et al. Use of canakinumab in the cryopyrin-associated periodic syndrome. *NEJM* 2009;360:2416-25.
48. Park W, Lee SJ , Yun J , et al: Comparison of the pharmacokinetics and safety of three formulations of infliximab (CT-P13, EU-approved reference infliximab and the US-licensed reference infliximab) in healthy subjects: a randomized, double-blind, three-arm, parallel-group, single-dose, Phase I study. *Expert Rev Clin Immunol* 2015; 11 Suppl 1:S25-S31. [PubMed Abstract: http://www.ncbi.nlm.nih.gov/...](http://www.ncbi.nlm.nih.gov/...); [PubMed Article: http://www.ncbi.nlm.nih.gov/...](http://www.ncbi.nlm.nih.gov/...)
49. Ingram JR. Hidradenitis suppurativa: Treatment. Up-to-date: Last modified December 3, 2018. https://www.uptodate.com/contents/hidradenitis-suppurativa-treatment?search=Treatment%20of%20hidradenitis%20suppurativa&source=search_result&selectedTitle=2~61&usage_type=default&display_rank=2 Accessed December 2018.
50. Common Terminology Criteria for Adverse Events (CTCAE), Version 5.0, November 2017, National Institutes of Health, National Cancer Institute. Available at: https://ctep.cancer.gov/protocoldevelopment/electronic_applications/docs/CTCAE_v5_Quick_Reference_8.5x11.pdf (Accessed December 19, 2018)
51. Dellavalle, R.P. (2018) Hidradenitis suppurativa, Treatment, In D. Solomon (Ed), UpToDate. Retrieved December 19, 2018 from https://www.uptodate.com/contents/hidradenitis-suppurativa-treatment?search=hidradenitis%20suppurativa&source=search_result&selectedTitle=2~61&usage_type=default&display_rank=2