Thalomid®

Covered Medication
Thalidomide (Thalomid®)

What it does and How it’s used
- Thalidomide is an immunomodulatory drug that exerts its actions through inhibiting angiogenesis (the formation of new blood vessels) and the production of an inflammatory protein known as tumor necrosis factor alpha (TNF-α).
- Thalidomide is indicated for use in the treatment of newly diagnosed multiple myeloma in combination with dexamethasone. Multiple myeloma is a blood cancer affecting plasma cells. Plasma cells are an essential part of the immune system and aid in fighting off infections. Multiple myeloma causes plasma cells to be ineffective in supporting normal immune system function.
- Thalidomide is also used for the acute treatment of the cutaneous manifestations of moderate to severe erythema nodosum leprosum (a.k.a. ENL; i.e., leprosy) and maintenance therapy for prevention and suppression of the cutaneous manifestations of ENL recurrence. Thalidomide is used in combination with corticosteroids in leprosy patients to treat moderate to severe neuritis (inflammation of nerves).
- Conditions for which use of thalidomide may have benefit include:
  - Treatment of Crohn’s Disease. Crohn’s disease is characterized by inflammation of the gastrointestinal tract.
  - Treatment of aphthous ulcers associated with HIV/AIDS. Aphthous ulcers are painful lesions/sores of the mouth or esophagus that are caused by bacterial, viral, or fungal infections.

Thalidomide is available for oral administration as 50 mg, 100 mg, and 200 mg capsules through the special restricted distribution program called the S.T.E.P.S.® program. This program was developed due to the potential of severe, life-threatening birth defects associated with thalidomide use during pregnancy. Only providers and pharmacists registered with the S.T.E.P.S.® program are able to prescribe and dispense the product to patients who are registered and meet all the conditions of this program. In the S.T.E.P.S.® program, women of child-bearing age are required to take a pregnancy test on a monthly basis to certify they are not pregnant to avoid potentially severe birth defects. Patients are furnished with a 28-day supply of thalidomide for each fill.

What it costs
- AWP is $ 52.94/50 mg capsule, $ 93.10/100 mg capsule, and $ 103.83/200 mg capsule. Recommended doses are 100 – 300 mg/day for an episode of cutaneous ENL. In patients with a severe cutaneous ENL reaction, a dose can be titrated up to 400 mg/day.
- Average treatment costs for cutaneous ENL per month at the recommended doses range from $ 2,793 - $ 5,907.90.
- The recommended dose for treatment of multiple myeloma is 200 mg/day.
- Average treatment cost for multiple myeloma per month at the recommended dose is $2,907.24.

Rationale for Prior Authorization
To reduce exposure to cost associated with use for conditions for which the effectiveness of thalidomide is not known (conditions other than erythema nodosum leprosum, aphthous ulcers associated with HIV/AIDS, Crohn’s disease, or multiple myeloma).

Benefit Design
Coverage for thalidomide is determined through a prior authorization process for every claim.

Prior Authorization Criteria
- Coverage is provided for the treatment or prevention of the cutaneous lesions associated with erythema nodosum leprosum (i.e., leprosy).
- Coverage is provided in leprosy patients with moderate to severe neuritis when thalidomide is used with concurrent corticosteroid therapy, in patients able to receive corticosteroids.
- Coverage is provided for use in the treatment of Crohn’s disease, multiple myeloma, or aphthous ulcers associated with HIV/AIDS disease.
- Coverage duration: 6 months. Benefit may be renewed.

References

Eisenbud L. Recurrent aphthous stomatitis of Behcet’s type: successful treatment with thalidomide. Oral Medicine


Product Information: Thalidomide Capsules (Thalamid® - Celgene Corp.) 2006.


Wanke C. Singe-Agent/Combination Therapy of Human Immunodeficiency Virus-Related Wasting. Seminars in Oncology 1998;25(2,6):98-103
