

Prior Authorization DRUG Guidelines

# SPORANOX capsules (itraconazole): ANTI/FUNGAL

Effective Date: 07/28/05

Date Developed: 07/28/05 by C/ Wilhelmy MD Last Approval Date: 1/26/16, 1/24/17, 1/23/18, 1/22/19

(Archived 1/22/19)

## **Description**

Itraconazole is a synthetic triazole antifungal agent used for the treatment of systemic fungal infections in immunocompromised and nonimmunocompromised patients. It is available for oral administration in 100-mg capsules and 10 mg/mL solution. The capsules are approved by the Food and Drug Administration (FDA) for the treatment of blastomycosis (pulmonary and extrapulmonary), histoplasmosis (including chronic cavitary pulmonary disease and disseminated nonmeningeal histoplasmosis), and for aspergillosis (pulmonary and extrapulmonary) in patients who are intolerant of, or refractory to, amphotericin B therapy. Itraconazole oral solution is FDA-indicated for the treatment of oropharyngeal and/or esophageal candidiasis. This policy does not address the use of itraconazole oral solution.

## **Recommended Authorization Criteria**

Coverage of itraconazole capsules are recommended for those who meet one of the following criteria.

## **FDA-Approved Indications**

- 1. **Blastomycosis, pulmonary and extrapulmonary.** Approve. Itraconazole is FDA-approved for this condition.<sup>1</sup>
- 2. **Histoplasmosis, including chronic cavitary pulmonary disease and disseminated, non-meningeal histoplasmosis.** Approve. Itraconazole is FDA-approved for this condition.<sup>1</sup>
- 3. Aspergillosis, pulmonary and extrapulmonary, in patients who are intolerant of or who are refractory to amphotericin B therapy. Approve. Itraconazole is FDA-approved for this condition.<sup>1</sup>
- 4. Onychomycosis (refer to the *Antifungal Therapy for Onychomycosis Therapeutic Guideline* for specific criteria). Itraconazole is FDA-approved for onychomycosis

of the fingernail and toenail (with or without fingernail involvement) due to dermatophytes (tinea unguium) in non-immunocompromised patients.<sup>1</sup>

# **Other Uses with Supportive Evidence**

- 5. **Tinea corporis.** Approve after a trial of a topical antifungal agent, except for extensive conditions. Itraconazole has been successfully utilized in many trials involving the treatment of tinea corporis;<sup>3-9</sup> however, many topical antifungal agents are similarly effective and are FDA-approved for this condition.<sup>20</sup> Systemic therapy may be required for effectiveness or more feasible in extensive conditions.
- 6. Tinea cruris, faciei, manuum, imbricata, and pedis (nonmoccasin or chronic type).
  - Approve after trial of a topical antifungal agent. Itraconazole has been studied and shown to be effective in these tinea-related conditions;<sup>3-19</sup> however, many topical antifungal therapies are effective and FDA-approved for these conditions.<sup>20-22</sup>
- 7. **Plantar- or moccasin-type dry tinea pedis.** Approve. Oral antifungal therapy is often required for plantar or moccasin-type tinea pedis as topical antifungal agents have led to poor responses or frequent relapses. <sup>23</sup> Studies with itraconazole have shown good results in the treatment of plantar/moccasin-type tinea pedis. <sup>24-26</sup>
- 8. **Tinea or pityriasis versicolor.** Approve after trial of a topical antifungal agent, except for extensive conditions. Itraconazole has been found efficacious in studies for the treatment and prevention of tinea (pityriasis) versicolor. <sup>27-31</sup> However, many topical agents are FDA-approved and effective for this condition as well. <sup>32</sup> Oral therapies, such as itraconazole, are preferred when the disease is widespread.
- 9. **Tinea capitis.** Approve. Itraconazole has been studied in the treatment of tinea capitis and has been found to be effective. <sup>36-45</sup>
- 10. **Tinea barbae.** Approve. Itraconazole has been reported as effective in case reports involving the treatment of tinea barbae. <sup>49-51</sup>
- 11. **Treatment of vaginal candidiasis.** Approve after a trial of oral fluconazole. Itraconazole has been effective for the treatment of acute vaginal candidiasis in several studies; <sup>52-59</sup> however, fluconazole and many topical vaginal antifungals are FDA-approved for this condition, effective, and recommended in the 2006 CDC guidelines for the treatment of STDs in reference to VVC. <sup>60</sup> A recent review article recognizes that itraconazole has been used for vulvovaginal candidiasis
- 12. **Prevention of recurrent vulvovaginal or vaginal candidiasis.** Approve. Studies have shown itraconazole to be used successfully in the prophylaxis of recurrent vaginal or vulvovaginal candidiasis. The CDC 2006 treatment guidelines for STDs mention itraconazole as a maintenance regimen, dosed as 400 mg once monthly or 100 mg dosed once daily, for recurrent VVC.
- 13. **Treatment or prevention of other superficial, systemic or suspected fungal infections.** Approve. Itraconazole capsules are well studied in a variety of other systemic and superficial infections. <sup>64-77</sup>
- 14. Patient has been started and stabilized on IV itraconazole therapy or oral itraconazole for a systemic infection and it is being used as continuation therapy. Approve. Itraconazole is available as IV therapy and once clinical stabilization has occurred some patients are appropriate candidates for oral therapy.

## **Exclusions**

Coverage of itraconazole capsules is not recommended in the following circumstances:

- 1. **Candidiasis hypersensitivity syndrome.** The efficacy of itraconazole has not been proved for the cure of this diagnosis. <sup>78-79</sup>
- 2. Coverage is not recommended for circumstances not listed in the Recommended Authorization Criteria.

		Sporanox
A. Onychomy	vooris	itraconazole
A. Onycholing	ycosis	
1. One of th	e following:	
	Member has diabetes <b>OR</b> ,	X
	Member has an iatrogenically-induced or disease- associated immunosuppression, such as that due to AIDS, antirejection treatment for bone marrow or solid organ transplant, or chemotherapy for cancer	
	<b>OR</b> , Member has a systemic dermatosis with impaired skin integrity (e.g., pemphigus, ichthyosis) <b>OR</b> ,	
	Member has a significant vascular compromise (peripheral)	
2. One of th	e following:	
	Contraindication to terbinafine (Lamisil®) <b>OR</b> ,	
	Intolerance to terbinafine (Lamisil) <b>OR</b> ,	X
	Failure of an adequate trial of 6 weeks of terbinafine (Lamisil) <b>OR</b> ,	
	Presence of hepatic dysfunction or increased risk for liver disease <b>OR</b> ,	
	Fungal culture indicating lack of sensitivity to terbinafine (Lamisil) <b>OR</b> ,	
	Non-dermatophyte fungal infection (mixed infection, a mold or yeast infection)	
AND		
3. One of th	e following:	
	Contraindication to itraconazole (Sporanox®) <b>OR</b> ,	
	Intolerance to itraconazole (Sporanox) <b>OR</b> ,	
	Failure of an adequate trial of 6 weeks of itraconazole (Sporanox)	
	cosis, new courses of therapy should not be initiated	66 . 1
	following the end of therapy unless infection is noted in a previously unrate continues to increase through the 11th month following initiation	

S:\2019\DRUGS POLICIES\VCHCP

week course of therapy).

#### References

- 1. Sporanox capsules [package insert]. Olen, Belgium: Janssen Pharmaceutica; March 2009.
- 2. Sporanox oral solution [package insert]. Toronto, Ontario: Jansen-Ortho Inc.; May 13, 2010.
- 3. Katsambas A, Antoniou CH, Frangouli E, et al. Itraconazole in the treatment of tinea corporis and tinea cruris. *Clin Exp Dermatol.* 1993;18:322-325.
- 4. Boonk W, De Geer D, de Kreek E, et al. Itraconazole in the treatment of tinea corporis and tinea cruris: comparison of two treatment schedules. *Mycoses*. 1998;41:509-514.
- 5. Pariser DM, Pariser RJ, Guoff G, et al. Double-blind comparison of itraconazole and placebo in the treatment of tinea corporis and tinea cruris. *J Am Acad Dermatol*. 1994;31:232-234.
- 6. Bourlond A, Lachapelle JM, Aussems J, et al. Double-blind comparison of itraconazole with griseofulvin in the treatment of tinea corporis and tinea cruris. *Int J Dermatol*. 1989;28:410-412.
- 7. Parent D, Decroix J, Heenen M. Clinical experience with short schedules of itraconazole in the treatment of tinea corporis and/or tinea cruris. *Dermatology*. 1994;189:378-381.
- 8. Roseeuw D, Willemsen M, Kint RT, et al. Itraconazole in the treatment of superficial mycoses—a double-blind study vs. placebo. *Clin Exp Dermatol.* 1990;15:101-104.
- 9. Lachapelle JM, De Doncker P, Tennstedt D, et al. Itraconazole compared with griseofulvin in the treatment of tinea corporis/cruris and tinea pedis/manus: an interpretation of the clinical results of all completed double-blind studies with respect to the pharmacokinetic profile. *Dermatology*. 1992;184:45-50.
- 10. Finzi A, Cilli P. Italian multicentre trial comparing itraconazole with griseofulvin in the treatment of dermatomycoses. Preliminary results. *Eur Acad Dermatol Venerol*. 1992(Suppl 1):S15-S18.
- 11. De Keyser P, De Backer M, Massart DL, Westelinck KJ. Two-week oral treatment of tinea pedis, comparing terbinafine (250 mg/day) with itraconazole (100 mg/day): a double-blind, multicenter study. *Br J Dermatol*. 1994;130(Suppl 43):22-25.
- 12. Schuller J, Remme JJ, Rampen FHJ, Van Neer CJ. Itraconazole in the treatment of tinea pedis and tinea manuum: comparison of two treatment schedules. *Mycoses*. 1998;41:515-520.
- 13. Difonzo EM, Papini M, Cilli P, et al. A double-blind comparison of itraconazole and fluconazole in tinea pedis and tinea manuum. *J Eur Acad Dermatol Venerol*. 1995;4:148-152.
- 14. Gupta AK, De Doncker P, Heremans A, et al. Itraconazole for the treatment of tinea pedis: a dosage of 400 mg/day given for 1 week is similar in efficacy to 100 or 200 mg/day given for 2 to 4 weeks. *J Am Acad Dermatol*. 1997;36:789-792.
- 15. Wishart JM. A double blind study of itraconazole vs griseofulvin in patients with tinea pedis and tinea manus. NZ Med J. 1994:107:126-128.
- 16. Tausch I, Decroix J, Gwiezdzinski Z, et al. Short-term itraconazole versus terbinafine in the treatment of tinea pedis or manus. *Int J Dermatol*. 1998;37:140-142.
- 17. Gupta AK, De Doncker P, Degreef H. Tinea manus treated with 1-week itraconazole vs. terbinafine. *Int J Dermatol.* 2000;39(7):529-531.
- 18. Bumimulja U, Kuswadji K, Bramono S, et al. A double-blind, randomized, stratified controlled study of the treatment of tinea imbricata with oral terbinafine or itraconazole. *Br J Dermatol*. 1994;130(Suppl 43):29-31.
- 19. Wingfield AB, Fernandez-Obregon AC, Wignall FS, Greer DL. Treatment of tinea imbricata: a randomized clinical trial using griseofulvin, terbinafine, itraconazole and fluconazole. *Br J Dermatol.* 2004;150:119-126.
- 20. Gupta AK, Chaudhry M, Elewski B. Tinea corporis, tinea cruris, tinea nigra, and piedra. *Dermatol Clin*. 2003;21:395-400.
- 21. Kyle AA, Dahl MV. Topical therapy for fungal infections. Am J Clin Dermatol. 2004;5(6):443-451.
- 22. Gupta AK, Chow M, Daniel CR, Aly R. Treatments of tinea pedis. Dermatol Clin. 2003;21:431-462.
- 23. Leyden JL. Tinea pedis pathophysiology and treatment. J Am Acad Dermatol. 1994;31:S31-S33.
- 24. Decroix J. Tinea pedis (moccasin-type) treated with itraconazole. Int J Dermatol. 1995;34:122-124.
- 25. Svejgaard E, Avnstorp C, Wanscher B, et al. Efficacy and safety of short-term itraconazole in tinea pedis: a double-blind, randomized, placebo-controlled trial. *Dermatology*. 1998;197:368-372.
- 26. Hay RJ, McGregor JM, Wuite J, et al. A comparison of 2 weeks of terbinafine 250 mg/day with 4 weeks of itraconazole 100 mg/day in plantar-type tinea pedis. *Br J Dermatol*. 1995;132:604-608.
- 27. Montero-Gei F, Robles ME, Suchil P. Fluconazole vs itraconazole in the treatment of tinea versicolor. *Int J Dermatol.* 1999;38:601-603.
- 28. Del Palacio Hernanz A, Delgado Vincente S, Menendez Ramos F, Rodriguez-Noriega Belaustegui A. Randomized comparative clinical trial of itraconazole and selenium sulfide shampoo for the treatment of pityriasis versicolor. *Rev Infect Dis.* 1987;9(Suppl 1):S121-S127.
- 29. Kose O. Fluconazole versus itraconazole in the treatment of tinea versicolor. *Int J Dermatol.* 1995;34:498-499.
- 30. Hickman JG. A double-blind, randomized, placebo-controlled evaluation of short-term treatment with oral itraconazole in patients with tinea versicolor. *J Am Acad Dermatol*. 1996;34:785-787.
- 31. Faergemann J, Gupta AK, Mofadi AA, et al. Efficacy of itraconazole in the prophylactic treatment of pityriasis (tinea) versicolor. *Arch Dermatol.* 2002;138:69-73

- 32. Gupta AK, Batra R, Bluhm R, Faergemann J. Pityriasis versicolor. Dermatol Clin. 2003;21:413-429.
- 33. Chan YC, Friedlander SF. Therapeutic options in the treatment of tinea capitis. *Expert Opin Pharmacother*. 2004;5(2):219-227.
- 34. Roberts BJ, Friedlander SF. Tinea capitis: a treatment update. Pediatr Ann. 2005;34(3):191-200.
- 35. Bennett ML, Fleischer AB, Loveless JW, Feldman SR. Oral griseofulvin remains the treatment of choice for tinea capitis in children. *Pediatric Dermatol.* 2000;17:304-309.
- 36. Gupta AK, Hofstader SLR, Summerbell RC, et al. Treatment of tinea capitis with itraconazole capsule pulse therapy. *J Am Acad Dermatol*. 1998;39:216-219.
- 37. Gupta AK, Alexis ME, Raboobee N, et al. Itraconazole pulse therapy is effective in the treatment of tinea capitis in children: an open multicenter study. *Br J Dermatol*. 1997;137:251-254.
- 38. Gupta AK, Adam P, De Doncker P. Itraconazole pulse therapy for tinea capitis: a novel treatment schedule. *Pediatr Dermatol.* 1998;15(3):225-228.
- 39. Degreef H. Itraconazole in the treatment of tinea capitis. Cutis. 1996;58:90-93.
- 40. Abdel-Rahman S, Powell DA, Nahata MC. Efficacy of itraconazole in children with Trichophyton tonsurans tinea capitis. *J Am Acad Dermatol*. 1998;38:443-446.
- 41. Jahangir M, Hussain I, Hasan MUL, Haroon TS. A double-blind, randomized, comparative trial of itraconazole versus terbinafine for 2 weeks in tinea capitis. *Br J Dermatol*. 1998;139:672-674.
- 42. Lopez-Gomez S, Del Palacio A, Van Cutsem J, et al. Itraconazole versus griseofulvin in the treatment of tinea capitis: a double-blind, randomized study in children. *Pharmacol Ther.* 1994;33:743-747.
- 43. Elewski BE. Treatment of tinea capitis with itraconazole. Int J Dermatol. 1997;36:537-541.
- 44. Mohrenschlager M, Schnopp C, Fesq H, et al. Optimizing the therapeutic approach in tinea capitis of childhood with itraconazole. *Br J Dermatol.* 2000;143:1011-1015.
- 45. Gupta AK, Adam P, Dlova N, et al. Therapeutic options for the treatment of tinea capitis caused by Trichophyton species: griseofulvin versus the new oral antifungal agents, terbinafine, itraconazole, and fluconazole. *Pediatr Dermatol.* 2001;18(5):433-438.
- 46. Gupta AK, Ginter G. Itraconazole is effective in the treatment of tinea capitis caused by *Microsporum Canis*. *Pediatr Dermatol*. 2001;18(6):519-522.
- 47. Ginter-Hanselmayer G, Smolle J, Gupta A. Itraconazole in the treatment of tinea capitis caused by *Microsporum canis*: experience in a large cohort. *Pediatr Dermatol*. 2004;21(4):499-502.
- 48. Kick G, Korting HC. The definition of Trichophyton rubrum syndrome. Mycoses. 2001;44:167-171.
- 49. Bonifaz A, Ramirez-Tamayo T, Saul A. Tinea barbae (tinea sycosis): experience with nine cases. *J Dermatol*. 2003;30:898-903.
- 50. Trotha R, Graser Y, Platt J, et al. Tinea barbae caused by a zoophilic strain of Trichophyton interdigitale. *Mycoses*. 2003;46(1-2):60-63.
- 51. Maeda M, Nakashima T, Satho M, et al. Tinea barbae due to Trichophyton verrucosum. *Eur J Dermatol*. 2002;12(3):272-274.
- 52. Tobin JM, Loo P, Granger SE. Treatment of vaginal candidiasis: a comparative study of the efficacy and acceptability of itraconazole and clotrimazole. *Genitourin Med.* 1992;68:36-38.
- 53. Wesel S. Itraconazole: a single-day oral treatment for acute vulvovaginal candiosis. *Br J Clin Pract Suppl.* 1990;71:77-80. Sobel JD.
- 54. Silva-Cruz A, Andrade L, Sobral L, Francisca A. Itraconazole versus placebo in the management of vaginal candidiasis. *Int J Gynecol Obstet*. 1991;36:229-232.
- 55. Woolley PD, Higgins SP. Comparison of clotrimazole, fluconazole and itraconazole in vaginal candidiasis. *BJCP*. 1995;49:65-66.
- 56. Stein GE, Mummaw N. Placebo-controlled trial of itraconazole for treatment of acute vaginal candidiasis. *Antimicrob Agents Chemother*. 1993;37:89-92.
- 57. Mikamo H, Kawazoe K, Sato Y, et al. Comparative study on the effectiveness of antifungal agents in different regimens against vaginal candidiasis. *Chemother*. 1998;44:364-368.
- 58. DePunzio C, Garutti P, Mollica G, et al. Fluconazole 150 mg single dose versus itraconazole 200 mg per day for 3 days in the treatment of acute vaginal candidiasis: a double-blind randomized study. *Eur J Obstet Gynecol Reprod Biol.* 2003;106:193-197.
- 59. Sobel JD. Vulvovaginal candidosis. Lancet. 2007;369(9577):1961-1971.
- 60. Centers for Disease Control and Prevention, Workowski KA, Berman SM. *MMWR*. Sexually Transmitted Diseases Treatment Guidelines 2006. Diseases characterized by vaginal discharge vulvovaginal candidiasis. *MMWR Recomm Rep.* 2006Aug 4;55(RR-11):1-94. Accessed on 7/15/2008 at http://www.cdc.gov/mmwr/preview/mmwrhtml/rr5511a1.htm
- 61. Sobel JD. Management of recurrent vulvovaginal candidiasis: unresolved issues. *Curr Infect Dis Rep.* 2006;8(6):481-486.
- 62. Creatsas GE, Charalambidis VM, Zagotzidou, et al. Chronic or recurrent vaginal candidiasis: short-term treatment and prophylaxis with itraconazole. *Clin Ther*. 1993;15:662-671.
- 63. Fong IW. The value of chronic suppressive therapy with itraconazole versus clotrimazole in women with recurrent vaginal candidiasis. *Genitourin Med.* 1993;68:374-377.

- 64. Sharkey-Mathis PK, Kauffman CA, Graybill JR, et al. Treatment of sporotrichosis with itraconazole. *Am J Med*. 1993;95:279-285.
- 65. Kauffman CA, Bustamante B, Chapman SW, Pappas PG. Clinical practice guidelines for the management of sporotrichosis: 2007 update by the Infectious Diseases Society of America. Clin *Infect Dis.* 2007;45:1255-1265.
- 66. Van Der Horst, Saag MS, Cloud GA, et al. Treatment of cryptococcal meningitis associated with the acquired immunodeficiency syndrome. *N Engl J Med.* 1997;337:15-21.
- 67. Saag MS, Cloud GA, Graybill JR, et al. A comparison of itraconazole versus fluconazole as maintenance therapy for AIDS-associated cryptococcal meningitis. *Clin Infect Dis.* 1999;28:291-296.
- 68. Saag MS, Graybill RJ, Laren RA, et al, for the Mycoses Study Group Cryptococcal Subproject. Practice guidelines for the management of cryptococcal disease. *Clin Infect Dis.* 2000:30:710-718.
- 69. Nucci M, Biasoli I, Akiti T, et al. A double-blind, randomized, placebo-controlled trial of itraconazole capsules as antifungal prophylaxis for neutropenic patients. *Clin Infect Dis.* 2000;30:300-305.
- 70. Huigens PC, Simoons-Smit AM, van Loenen AC, et al. Fluconazole versus itraconazole for the prevention of fungal infections in haematolo-oncology. *J Clin Pathol*. 1999;52:376-380.
- 71. Gallin JI, Alling DW, Malech HL, et al. Itraconazole to prevent fungal infections in chronic granulomatous disease. *N Engl J Med*. 2003;348(24):2416-2422.
- Supparatpinyo K, Perriens J, Nelson K, Sirisanthana T. A controlled trial of itraconazole to prevent relapse of Penicillium Marneffei infection in patients infected with the human immunodeficiency virus. N Engl J Med. 1998;339:1739-1743.
- 73. Glasmacher A, Molitor E, Hahn K, et al. Antifungal prophylaxis with itraconazole in neutropenic patients with acute leukemia. *Leukemia*. 1998;12:1338-1343.
- 74. McKinsey DS, Wheat LJ, Cloud GA, et al. Itraconazole prophylaxis for fungal infections in patients with advanced human immunodeficiency virus infection: randomized, placebo-controlled, double-blind study. *Clin Infect Dis.* 1999;28:1049-1056.
- 75. Galgiani JN, Ampel NM, Balir JE, et al, for the Infectious Diseases Society of America. Coccidioidomycosis. *Clin Infect Dis.* 2005;41(9):1217-1223.
- 76. Parsad D, Saini R, Negi KS. Short-term treatment of pityrosporum folliculitis: a double blind, placebo-controlled study. *J Eur Acad Dermatol Venereol*. 1998;11(2):188-190.
- 77. Pappas PG, Kauffman CA, Andes D, et al. Clinical Practice Guidelines for the Management of Candidiasis: 2009 Update by the Infectious Disease Society of America. *Clin Infect Dis.* 2009;48:503-535.
- 78. Dismukes WE, Wade S, Lee JY, et al. A randomized, double-blind trial of nystatin therapy for the candidiasis hypersensitivity syndrome. *N Engl J Med.* 1990;323(25):1717-1723.
- 79. Candidiasis hypersensitivity syndrome. J Allergy Clin Immunol. 1986;78(2):271-273.
- 80. Lamisil® oral granules [package insert]. East Hanover, NJ: Novartis Pharmaceuticals Corporation; September 2007.
- 81. Elewski BE, Caceres HW, DeLeon L, et al. Terbinafine hydrochloride oral granules versus oral griseofulvin suspension in children with tinea capitis: results of two randomized, investigator-blinded, multicenter, international, controlled trials. *J Am Acad Dermatol*. 2008;59(1):41-54.
- 82. Guidelines for Prevention and treatment of opportunistic infections in HIV-infected adults and adolescents. Recommendations from the CDC, the National Insitutes of Health and the HIV Medicine Association of the Infectious Diseases Society of America. *MMWR*. 2009;58 (No. RR-4); Available at: <a href="http://aidsinfo.nih.gov/contentfiles/Adult\_OI\_041009.pdf">http://aidsinfo.nih.gov/contentfiles/Adult\_OI\_041009.pdf</a>. Accessed on July 21, 2010.

2013 UpToDate® - www.uptodate.com Epocrates 2013 - www.epocrates.com

## **Revision History:**

Date Reviewed/Updated: 10/17/11 by A. Reeves MD

Date Reviewed/No Updates: 4/2/12; 1/16/12 by A. Reeves MD

Date Approved by P&T Committee: 07/28/05; 10/25/11; 04/24/12; 1/29/13

Date Reviewed/No Updates: 1/28/14 by C/ Sanders MD

Date Approved by P&T Committee: 1/28/14

Date Reviewed/No Updates: 1/13/15 by C/ Sanders, MD

Date Approved by P&T Committee: 1/27/15

Date Reviewed/No Updates: 1/26/16 by C/ Sanders, MD; R/ Sterling, MD

Date Approved by P&T Committee: 1/26/16

Date Reviewed/No Updates: 1/24/17 by C/ Sanders, MD; R/ Sterling, MD

Date Approved by P&T Committee: 1/24/17

Date Reviewed/No Updates: 1/23/18 by C/ Sanders, MD; R/ Sterling, MD

Date Approved by P&T Committee: 1/23/18

Date Reviewed/Archived: 1/22/19 by C. Sanders, MD; R. Sterling, MD

Date Approved by P&T Committee: 1/22/19

Revision Date	Content Revised (Yes/No)	Contributors	Review/Revision Notes
1/24/17	No	Catherine Sanders, MD; Robert Sterling, MD	Annual review
1/23/18	No	Catherine Sanders, MD; Robert Sterling, MD	Annual review
1/22/19	No	Catherine Sanders, MD; Robert Sterling, MD	Archived – check
			ESI