

# CURRICULUM VITAE

## *Phoebe Rich, MD*

Office: *Phoebe Rich, M.D.*  
*Phoebe Rich Dermatology*  
*Portland, Oregon*

*Adjunct Professor*  
*Department Dermatology*  
*Director Nail Disorder Clinic*  
*Oregon Health and Science University*

1989-present *Oregon Dermatology and Research Center*  
*Owner, Principal Investigator*  
2565 NW Lovejoy, Suite 200  
Portland, Oregon 97210  
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### ***Medical Education:***

June 1984 Medical: MD  
Oregon Health and Science University  
Portland, Oregon

### ***Post Graduate Training:***

1984-1985 Good Samaritan Hospital  
Portland, Oregon  
Internal Medicine Internship

1986-1989 Resident: Department of Dermatology  
Oregon Health Sciences University  
Portland, Oregon

***Board Certified:*** 10/ 1989 American Board of Dermatology

***Medical License:*** 7/13/1985 Oregon State Board of Medical Examiners  
MD14488

### ***Honors and Awards:***

2009 American Academy of Dermatology  
Presidential Citation 2009

2007 Oregon Health and Science Alumna Association Clinical  
Faculty Teaching Award Oregon Health Sciences University

1980 Lange Medical Student Award  
Freshman Medical Student

1978	Tartar Foundation Fellowship Department of Biochemistry
1977	Heart Association Fellowship USC School of Medicine Division of Cardiology

***Academic Appointments:***

2008-present	<b>Adjunct Professor</b> <b>Director of the Nail Disorder Clinic</b> Department of Dermatology Oregon Health and Science University
1997-2007	Clinical Associate Professors OHSU
1994-1997	Clinical Assistant Professor of Dermatology OHSU
1989-1994	Clinical Instructor OHSU

***Memberships/Organizations:***

**American Academy of Dermatology (AAD)**

2011–2015	Board of Directors (AAD)
1989-present	(AAD) Fellow
2015-	Member Communications
2004-2007	Education Slide Series Task Force
2004-2007	Task Force on Drugs and the Environment
1998-2002	Membership Committees
1997-2005	Telemedicine Task Force
1991-1993	Pamphlets Committee, AAD

**AAD Advisory Board**

2007-present	Oregon Representative
2009	Executive Committee

**American Dermatological Association (ADA)**

2006-Present	Member
2007-2008	ADA Program Committee

**American Society Dermatologic Surgeons**

1995-present	Member
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**Council for Nail Disorders**

1995-present	Board of Directors
1999-2000	President
1997	Vice-President
1995	Charter member
1994-2007	Scientific Advisory Board

**European Nail Society**

2000-present Member

**Eczema Society for Science and Education**

1992 –present Member  
1992-1997 Board of Directors

**International Society of Dermatology**

2000-present Member

**Dermatology Foundation**

1989-present Member Leaders Society  
2009 Annenberg Sustaining Member  
2002 Annenberg Society  
1994-1996 Oregon State Co-Chairman Leaders Society

**International Melanonychia Society**

2008 Charter member

**Pacific Dermatological Association**

2009–present Executive committee  
1994–present Member

**Oregon Dermatology Society Member**

2006-2007 President  
2002-2003 Secretary, Treasurer  
1996-1997 Vice-President  
1996-present Member

**Oregon Medical Association Member**

1997-Present Pacific Dermatologic Association  
1997-Present Pacific Northwest Dermatological Society

**Women’s Dermatology Society**

1989-present Member

**Cutis Editorial Board**

1998-2001

**SkinPAC**

2006-2008 National Chair of SkinPAC  
2005-2006 Board of Advisors

**Skin Appendage Disorders Editorial Board**

2015-present

***Publications:***

**Books:**

**Rich, P**, Scher RK. *An Atlas of Diseases of the Nail*. Parthenon Publisher 2003

**Book Chapters:**

**Rich, P., & Kwak, H. S. R.** (2010). **Nail Physiology and Grooming**. *Cosmetic Dermatology: Products and Procedures*, 197-205.

Reinig, E., **Rich, P.**, & Thompson, C. T. (2015). How to Submit a Nail Specimen. *Dermatologic clinics*, 33(2), 303-307. April 2015

**Rich P** *Nail Surgery* Chapter 149 in *Dermatology* ed by **Bolognia, Jorrizzo. Rapini.**  
1st Edition Mosby 2005

**Rich P, Nail Surgery** Chapter 149 in *Dermatology* ed by **Bolognia, Jorrizzo, Rapini., 2<sup>nd</sup>** Edition  
Mosby 2008

**Rich P** Associate Editor *Nails: Diagnosis, Therapy, Surgery*. Scher, RK, 3<sup>rd</sup> Edition. Elsevier 2005

**Rich P, Jefferson J.** *An Approach the Patient with Abnormal Nails* in: Basow DS, ed. Waltham, MA, 2012. **UpToDate**

Jefferson J, **Rich P, Principle and Overview of Nail Surgery;** in **UpToDate:** Basow DS, ed. Waltham, MA, 2012

Rich P, Jefferson J. *Nail Biopsy Techniques.* in **UpToDate** : Basow DS, ed. Waltham, MA, 2012.

Jefferson J, Rich P. Chapter 38: Nail Disorders. In: Kelly P, Taylor SC, eds. *Dermatology Skin Of Color*, 2<sup>nd</sup> ed. 2013.

**Rich, P**, Nail Cosmetics: benefits and pitfalls. in *Nails: Diagnosis, Therapy, Surgery*, in Scher RK 3<sup>rd</sup> edition Elsevier 200

Chang RM, Hare AQ, **Rich P.** Treating cosmetically induced nail problems. *Dermatol Ther.* 2007 Jan-Feb; 20(1):54-9.

**Rich P**, Nail Sign and Symptoms in *Nails: Diagnosis, Therapy, Surgery* , 3<sup>rd</sup> edition, Elsevier 2005

**Rich, P.** Nail Cosmetics. *Dermatol Clin.* 2006 Jul;24(3):393-9. WB Saunders 2006

**Rich, P., MD**, Nail Disorders, Chapter in 2000 Conn's current Therapy, ed Rakel, R., W.B. Saunders, 2000.

**Rich, P.,** Nail cosmetics and camouflaging techniques. *Dermatologic Therapy* , July/August/Sep/Oct 2001. 1-9 vol.14. Blackwell Publishing 2001

Book Chapters, continued.

**Rich, P., Nail Disorders.** Diagnosis and treatment of infectious, inflammatory and neoplastic nail conditions. *Medical Clinics of North America*, Vol. 82:5 Sept 1998, Sep; 82-(5): 1171-1183.

**Rich, P., Roberts, J.L., Hair, Scalp, and Nail Diseases.** In Noble J. et al (editors) *Textbook of Primary Care Medicine*. 1996 Mosby Year- Book, Inc., St. Louis, MO p358-393

**Publications in Peer Reviewed Journals:**

Dermatologie, C. H. U., & Alger, A. (2016). Oral and Poster Communications.

Hare, A. Q., & **Rich, P.** (2016). Clinical and Educational Gaps in Diagnosis of Nail Disorders. *Dermatologic clinics*, 34(3), 269-273.

Foley, P., Rivas, E., Griffiths, C. E. M., **Rich, P.**, Notter, M., & Papavassilis, C. (2015, May). Secukinumab shows efficacy in subjects with and without previous exposure to biologic psoriasis therapy: subanalysis from the phase 3 FIXTURE study. In *AUSTRALASIAN JOURNAL OF DERMATOLOGY* (Vol. 56, pp. 36-36). 111 RIVER ST, HOBOKEN 07030-5774, NJ USA: WILEY-BLACKWELL.

Manhart, R., & **Rich, P.** (2015). Nail psoriasis. *Clin Exp Rheumatol*, 33(5 Suppl 93), 7-13.

Langley, R. G., **Rich, P.**, Menter, A., Krueger, G., Goldblum, O., Dutronc, Y., ... & Heffernan, M. P. (2015). Improvement of scalp and nail lesions with ixekizumab in a phase 2 trial in patients with chronic plaque psoriasis. *Journal of the European Academy of Dermatology and Venereology*, 29(9), 1763-1770.

Werschler, W. P., Calkin, J. M., Laub, D. A., Mauricio, T., Narurkar, V. A., & **Rich, P.** (2015). Aesthetic Dermatologic Treatments: Consensus from the Experts. *The Journal of clinical and aesthetic dermatology*, 8(10 Suppl), S2.

**Rich, P.**, Gooderham, M., Bachelez, H., Goncalves, J., Day, R., Chen, R., and Crowley, J. Apremilast, an oral phosphodiesterase 4 inhibitor, in patients with difficult-to-treat nail and scalp psoriasis; results of two phase III randomized, controlled trials (ESTEEM 1 and ESTEEM 2). *Submitted to JAAD July 2015*.

Pariser, D., Jellinek, N., and **Rich P.** (2015). Efficacy and Safety of Onychomycosis Treatments: An Evidence-Based Overview. *Seminars in Cutaneous Medicine and Surgery*, Supplement 3, Volume 34, NO. 3S, June 2015. pp S46-S50.

Jellinek, N., **Rich P.**, and Pariser, D. (2015). Understanding Onychomycosis Treatment: Mechanisms of Action and Formulation. *Seminars in Cutaneous Medicine and Surgery*, Supplement 3, Volume 34, NO. 3S, June 2015. pp S51-S53.

**Rich P.**, Jellinek, N., and Pariser, D. (2015). Management Strategies for Onychomycosis in Special Patient Populations. *Seminars in Cutaneous Medicine and Surgery*, Supplement 3, Volume 34, NO. 3S, June 2015. pp S54-S55.

Young, M., Pariser, D., **Rich P.**, and Jellinek, N. (2015). Making Strides in Preventing Onychomycosis Recurrence. *Seminars in Cutaneous Medicine and Surgery*, Supplement 3, Volume 34, NO. 3S, June 2015. pp S56-S59.

Pariser, D., Jellinek, N., **Rich P.** (2015). Managing Efficacy and Safety of Onychomycosis Treatments:

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An Evidence-Based Overview. *Dermatology News*, June 2015. pp 5-9.

Jellinek, N., **Rich P.**, and Pariser, D. (2015). Understanding Onychomycosis Treatment: Mechanisms of Action and Formulation. *Dermatology News*, June 2015. pp 10-12.

**Rich P.**, Jellinek, N., and Pariser, D. (2015). Management Strategies for Onychomycosis in Special Patient Populations. *Dermatology News*, June 2015. pp 13-14.

Young, M., Pariser, D., **Rich P.**, and Jellinek, N. (2015). Making Strides in Preventing Onychomycosis Recurrence. *Dermatology News*, June 2015. pp 15-18.

Griffiths CE, Reich K, Lebwohl M, van de Kerkhof P, Paul C, Menter A, Cameron GS, Erickson J, Zhang L, Secrest RJ, Ball S, Braun DK, Osuntokun OO, Heffernan MP, Nickoloff BJ, Papp K, **Rich P** Comparison of ixekizumab with etanercept or placebo in moderate-to-severe psoriasis (UNCOVER-2 and UNCOVER-3): results from two phase 3 randomised trials. *Lancet*. 2015 Aug 8;386(9993):541-51

Elewski, B. E., Aly, R., Baldwin, S. L., Soto, R. F. G., **Rich, P.**, Weisfeld, M., ... & Pollak, R. (2015). Efficacy and safety of tavaborole topical solution, 5%, a novel boron-based antifungal agent, for the treatment of toenail onychomycosis: Results from 2 randomized phase-III studies. *Journal of the American Academy of Dermatology*.

Jefferson, J., Thompson, C., Hinshaw, M., & **Rich, P.** (2015). Coral contact dermatitis. *Dermatology online journal*, 21(4).

**Rich, Phoebe, MD**, Efinaconazole Topical Solution, 10%: The Benefits of Treating Onychomycosis Early. *Journal of Drugs in Dermatology*, Volume 14, Issue I, January 2015, pp 611-615.

**Rich, P.**, Bourcier, M., Sofen, H., Fakharzadeh, S., Wasfi, Y., Wang, Y., ... & Poulin, Y. (2014). Ustekinumab improves nail disease in patients with moderate-to-severe psoriasis: results from PHOENIX 1. *British Journal of Dermatology*, 170(2), 398-407.

Hare, A. Q., Jefferson, J., & **Rich, P.** (2014). How to Choose My Treatment. In *Nail Psoriasis* (pp. 149-156). Springer International Publishing.

Stein, G. L., Kircik, L., Fowler, J., Jackson, J. M., Tan, J., Draelos, Z., ... & Jacovella, J. (2014). Long-Term Safety of Ivermectin 1% Cream vs Azelaic Acid 15% Gel in Treating Inflammatory Lesions of Rosacea: Results of Two 40-Week Controlled, Investigator-Blinded Trials. *Journal of drugs in dermatology: JDD*, 13(11), 1380-1386.

David M Pariser MD, **Phoebe Rich MD**, Fran E. Cook-Bolden MD, and Andrew Korotzer PhD. An Aqueous Gel Fixed Combination of Clindamycin Phosphate 1.2% and Benzoyl Peroxide 3.75% for the Once-Daily Treatment of Moderate to Severe Acne Vulgaris. *Journal of Drugs in Dermatology*, Volume 13, Issue 9, September 2014, pp 611-617.

Langley, R. G., Elewski, B. E., Lebwohl, M., Reich, K., Griffiths, C. E., Papp, K., ... & Papavassilis, C. (2014). Secukinumab in plaque psoriasis—results of two phase 3 trials. *New England Journal of Medicine*, 371(4), 326-338.

Jefferson K, Thompson C, **Rich P.** A slowly enlarging mass of the finger. *Dermatol Online J*. 2014 Feb.

Publications in Peer Reviewed Journals, continued.

McInnes, I. B., Kavanaugh, A., Gottlieb, A. B., Puig, L., Rahman, P., Ritchlin, C., ... & PSUMMIT 1 Study Group. (2013). Efficacy and safety of ustekinumab in patients with active psoriatic arthritis: 1 year results of the phase 3, multicentre, double-blind, placebo-controlled PSUMMIT 1 trial. *The Lancet*,382(9894), 780-789.

Jarratt, M., Jones, T., Kempers, S., **Rich, P.**, Morton, K., Nakamura, N., & Tavakkol, A. (2013). Luliconazole for the treatment of interdigital tinea pedis: A double-blind, vehicle-controlled study. *Cutis*, 91(4), 203-210.

Chiacchio, N. D., Farias, D. C. D., Piraccini, B. M., Hirata, S. H., Richert, B., Zaiac, M., **Rich, Phoebe ...** & Tosti, A. (2013). Consensus on melanonychia nail plate dermoscopy. *Anais brasileiros de dermatologia*, 88(2), 309-313.

Pariser, D., Elewski, B., **Rich, P.**, & Scher, R. K. (2013, June). Onychomycosis information for patients. In *Seminars in cutaneous medicine and surgery* (Vol. 32, No. 2 Suppl 1, pp. 2p-following).

**Rich, Phoebe, MD**, Topical Treatment of Onychomycosis With Efinaconazole Solution 10%. *CUTIS*. Volume 91, June 2013 (305-307)

Elewski, B. E., **Rich, P.**, Tosti, A., Pariser, D. M., Scher, R., Daniel, R. C., & Gupta, A. K. (2013). Onychomycosis: an overview. *Journal of drugs in dermatology: JDD*, 12(7), s96-103.

Elewski BE, **Rich P**, Pollak R, Pariser DM, Watanabe S, et. Al. Efinaconazole 10% solution in the treatment of toenail onychomycosis: Two phase III multicenter, randomized, double-blind studies. *J Am Acad Dermatol*. 2013 Apr; 68 (4):600-8

**P. Rich**, 1 B. Sigurgeirsson,2 D. Thaci, 3 J.-P. Ortonne, 4 C. Paul Secukinumab induction and maintenance therapy in moderate-to-sever plaque psoriasis: a randomized, double-blind, placebo-controlled, phase II regimen-finding study. *British Association of Dermatologists 2013* 168, pp402-411

Armstrong April, Coates LC, Espinoza LR, **Rich P**. Infectious, Oncologic, and Autoimmune Comorbidities of Psoriasis and PsA: A Report from the Grappa 2012 Annual Meeting, Stockholm. *Journal of Rheumatology* In press. 2013

Elewski, B., Pollak, R., Ashton, S., **Rich, P.**, Schlessinger, J., & Tavakkol, A. (2012). A randomized, placebo-and active-controlled, parallel-group, multicentre, investigator-blinded study of four treatment regimens of posaconazole in adults with toenail onychomycosis. *British Journal of Dermatology*, 166(2), 389-398.

Jefferson K, **Rich P**. Update on Nail Cosmetics. *Dermatologic Therapy*. 2012 November, 25 (6): 481-490  
Jefferson, **Rich ,P** Melanonychia: Review Article in *Dermatology Research and Practice*. ed Haneke, Volume 2012, April 2012: 2012:1-8.

Jefferson J, Rich P. Melanonychia. *Dermatology Research and Practice*.

Jefferson J, **Rich P**. Expert Opinion: Onychomycosis. *DermQuest.com*.  
[http://www.dermquest.com/expert\\_opinions/clinical\\_updates/onychomycosis.html](http://www.dermquest.com/expert_opinions/clinical_updates/onychomycosis.html). September 19, 2011

**Rich, Phoebe, MD**, Elewski, Boni, MD, Scher, Richard K, MD, Pariser, David, MD. Diagnosis, Clinical Implications, and Complications of Onychomycosis. A CME-certified supplement to seminars in

Publications in Peer Reviewed Journals, continued.

Cutaneous Medicine and Surgery. Update on Onychomycosis: Effective Strategies for Diagnosis and Treatment. 1 32(2S):11-14

**P Rich, MD**; M Bourcier, MD; H Soden, MD, S Fakharzadeh, MD; Y Wasfi, MD; Y Wang, MS; U Kerkmann, PhD; P-D Ghislain, MD; Y poulin, MD Nail disease at baseline and after one year of treatment with ustekinumab in patients with moderate-to-severe psoriasis: results from PHOENIX 1. In press British J Dermatol,

Scher, Richard K, MD, **Rich, Phoebe, MD**, Pariser, David, MD, Elewski, Boni, MD. The Epidemiology, Etiology, and Pathophysiology of Onychomycosis. A CME-certified supplement to seminars in Cutaneous Medicine and Surgery. Update on Onychomycosis: Effective Strategies for Diagnosis and Treatment.;Supplement 1 32(2S):8-10

Elewski, Boni, MD, Pariser, David, MD, **Rich, Phoebe, MD**, Scher, Richard K, MD. Current and Emerging Options in the Treatment of Onychomycosis. A CME-certified supplement to seminars in Cutaneous Medicine and Surgery. Update on Onychomycosis: Effective Strategies for Diagnosis and Treatment.;Supplement 1 32(2S):15-18

Pariser, David, MD, Scher, Richard K, MD, Elewski, Boni, MD, **Rich, Phoebe, MD**. Promoting and Maintaining or Restoring Healthy Nails: Practical Recommendations for Clinicians and Patients. A CME-certified supplement to seminars in Cutaneous Medicine and Surgery. Update on Onychomycosis: Effective Strategies for Diagnosis and Treatment.;Supplement 1 32(2S):19-20

Jefferson J, **Rich P**. Update on Nail Cosmetics. Dermatol Ther. 2012 Nov;25(6):481-90.

**P. Rich**,<sup>1</sup> B. Sigurgeirsson,<sup>2</sup> D. Thaci,<sup>3</sup> J.-P. Ortonne,<sup>4</sup> C. Paul,<sup>5</sup> R.E. Schopf,<sup>6</sup> A. Morita,<sup>7</sup> K. Roseau,<sup>8</sup> E. Harfst,<sup>8</sup> A. Guettner,<sup>8</sup> M. Machacek<sup>8</sup> and C. Papavassilis, Secukinumab induction and maintenance therapy in moderate-to-severe plaque psoriasis: a randomized, double-blind, placebo-controlled, phase II regimen-finding study. British J dermatol. 2013 :168 pp 402-411.

Boni E. Elewski, MD, **Phoebe Rich, MD**, Richard Pollak, DPM, David M. Pariser, MD, Shinichi Watanabe, MD, Hisato Senda, DVM, Chikara Ieda, PhD, Kathleen Smith, MBA, Radhakrishnan Pilla, PhD, Tage Ramakrishna, MD, and Jason T. Olin, PhD. Efinaconazole 10% solution in the treatment of toenail onychomycosis: Two phase III multicenter, randomized, double-blind studies. J Am Acad Dermatol. 2012 Nov. 22.

B.E. Elewski, M.A. Ghannoum, P. mayser, A.K. Gupta, H.-C. Korting, R.J. Shouey, D.R. Baker, **P.A. Rich**, M. Ling, S. Hugot, B.Damaj, J. Nyirady, K. Thangavelu, M. Notter, A. Parneix-Spake, B. Sigurgeirsson. Efficacy, safety and tolerability of topical Terbinafine nail solution in patients with mid-to-moderate toenail Onychomycosis: results from three randomized studies using double-blind vehicle-controlled and open-label active-controlled designs. Journal of the European Academy of Dermatology and Venereology 2011

Carney C, Tosti A, Daniel R, Scher R, **Rich P**, DeCoster J, Elewski B. A new classification system for grading the severity of Onychomycosis: Onychomycosis Severity Index. PMID: 22106113

**Rich, P**. Are we giving nails away? Cutis. 2010 Jun; 85(6):280-1



Eichenfield LF, Jarratt M, Schlessinger J, Kempers S, Manna V, Hwa J, Liu Y, Graeber M; Adapalene 0.1% lotion in the treatment of acne vulgaris: results from two placebo-controlled, multicenter, randomized double-blind, clinical studies. *J Drugs Dermatol*. 2010 Jun; 9(6):639-46.

Foley P, Freeman M, Menter A, Siller G, El-Azhary RA, Gebauer K, Lowe NJ, Jarratt MT, Murrell DF, **Rich P**, Pariser DM, Oseroff AR, Barnestson R, Anderson C, Kossard S, Gibson LE, Tope WD. Photodynamic therapy with methyl aminolevulinate for primary nodular basal cell carcinoma: results of two randomized studies. *Int J Dermatol*. 2009 NOV; 48(11):1236-45.

Guy Webster, MD, PhD, **Phoebe Rich**, MD, Michael Gold, MD, Serena Mraz, MD, Barry Calvarese, MS, Diana Chen, MD. Efficacy and Tolerability of a Fixed Combination of Clindamycin Phosphate 1.2% and Low Concentration Benzoyl Peroxide (2.5%) Aqueous Gel in Moderate or Severe Acne Subpopulations. *J Drugs in Derm* 2009 Aug.

Thiboutot, Fleischer, **Rich**. Controlling Lesions and Erythema With an Azelaic Acid Gel Regimen in Rosacea (CLEAR): A Multicenter Study of Topical Azelaic Acid 15% Gel in Combination With Oral Doxycycline as Initial Therapy and Azelaic Acid 15% Gel as Maintenance Monotherapy. *J Drug in Derm* 2009 July Vol 8 pg 639.

Thiboutot DM, Fleischer AB, Del Rosso JQ, **Rich P**. A multicenter study of topical Azelaic acid 15% gel in combination with oral Doxycycline as initial therapy and Azelaic acid 15% gel as maintenance Monotherapy. PMID: 19588640.

**Rich P**, Griffiths CE, Reich K, Nestle FO, Scher RK, Li S, Xu S, Hsu MC, Guzzo C. Baseline nail disease in patients with moderate to severe psoriasis and response to treatment with infliximab during 1 year. *J Am Acad Dermatol*. 2008 Feb; 58 (2):224-31.

**Rich, P**. Hormonal Contraceptives for Acne Management. *Cutis* vol 81, Jan 2008 pp13-18.

Thiboutot DM, Harper JC, O'Connell K, **Rich P**, Sondheimer SJ. Improving acne outcomes through collaboration. *Cutis* 2008 Jan; 81(1 suppl):26-31.

**Rich P**, Griffiths CE, Reich K, Nestle FO, Scher RK, Li S, Xu S, Hsu MC, Guzzo C. Baseline nail disease in patients with moderate to severe psoriasis and response to treatment with infliximab during 1 year. *J Am Acad Dermatol*. 2007 Dec 20.

Del Rosso JQ, Webster GF, Jackson M, Rendon M, **Rich P**, Torok H, Bradshaw M. Two randomized phase III clinical trials evaluating anti-inflammatory dose doxycycline mg doxycycline, USP capsules) administered once daily for treatment of rosacea. *J Am Acad Dermatol*. 2007 May;56(5):791-802. Epub 2007 Mar 23.

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**P. Rich, MD**, C. Guzzo, MD, S. Li, PhD, K. Reich, MD. Nail Psoriasis improvement is maintained in patients with moderate to severe psoriasis treated with infliximab. Poster at American Academy of Dermatology. February 2007

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Sigurgeirsson B, Elewski BE, **Rich PA**, Opper C, Cai B, Nyirady J, Bakshi R. Intermittent versus continuous terbinafine in the treatment of toenail onychomycosis: a randomized, double-blind comparison. *J Dermatolog Treat.* 2006; 17(1):38-44

**Rich, P.** Nail Cosmetics. *Dermatol Clin.* 2006 Jul;24(3):393-9. Review

**Rich, P.** Treatment of uncomplicated skin and skin structure infections in the diabetic patient. *J Drugs Dermatol.* 2005 Nov-Dec; 4(6Suppl): s 26-9. Review

Torok HM, Jones T, **Rich P**, Smith S, Tschen E. Hydroquinone 4% tretinoin 0.05%, fluocinolone acetonide 0.01%: a safe and efficacious 12-month treatment for Melasma. *Cutis.* 2005 Jan;75(1):57-62.

DiGiovanna JJ, Langman CB, Tschen EH, Jones T, Menter A, Lowe NJ, Eichenfield L, Herbert AA, Pariser D, Savin RP, Smith SR, Jarratt M, Rodriguez D, Chalker DK, Kempers S, Ling M, Rafal ES, Sullivan S, Kang S, Shah LP, Wu E, Newhouse J, Pak J, Eberhardt DR, Bryce GF, McLane JA, Ondovik M, Chin C, Khoo KC, **Rich P.** Effect of a single course of isotretinoin therapy on bone mineral density in adolescent patients with severe, recalcitrant, nodular acne. *J Am Acad Dermatol.* 2004 Nov;51(5):709-17.

**Rich, P.** Scher, RK. Nail Psoriasis Severity Index: a useful tool for evaluation of nail psoriasis. *J Am Acad Dermatol.* 2003 Aug;49(2):206-12.

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John K. Geisse, **Phoebe Rich**, Amit Pandya, Kenneth Gross, Kara Andres, Angie Ginkel, Mary Owens. Imiquimod 5% cream for the treatment of superficial basal cell carcinoma: a double-blind, randomized, vehicle-controlled study. *Journal of the American Academy of Dermatology.* 2002 Sep;47(3):390-8.

Taylor S, MD, Torok H, MD, Jones T, MD, Lowe N, MD, **Rich, P MD**, Tschen E, MD, Menter A, MD, Baumann L, MD, Wieder J, MD, Jarratt M, MD, Pariser D, MD, Martin D, MD, Weiss J, MD, Shavin J, MD, Ramirez N, MD. Efficacy and Safety of a New Triple combination Agent for the Treatment of Facial Melasma. *Cutis.* 2003 Jul;72(1):67-72.

Diane Thiboutot, MD, Michael Jarratt, MD, **Phoebe Rich, MD**, Toivo Rist, MD, David Rodriguez, MD, and Sharon Levy, MD. A Randomized Study comparing the Efficacy and Safety of a Novel

**Rich, P.** (2002). Nail changes due to diabetes and other endocrinopathies. *Dermatologic Therapy*, 15(2), 107-110.

Erythromycin/Benzoyl Peroxide Gel System with an Available Erythromycin/Benzoyl Peroxide Preparation or Vehicle control for Acne Vulgaris. *Clinical Therapeutics* May 2002.

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**Rich P**, Harkless, LB, Atillysoy ES. Dermatophyte test medium culture for evaluating toenail infections in patients with diabetes. *Diabetes Care*. 2003 May; 26(5):1480-4.

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Smith S, Houpt K, **Rich, P.**, LaMarca A, Weinberg JM, Alfrerez TS, Atillasory E, Opper C. Short-duration oral terbinafine for the treatment of tinea pedis in HIV-positive patients. *Cutis*, 2001 Jul; 68(1Suppl):30-9.

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S. Bruce, **P. Rich**, D. Berson, D. Horne, A. Houlihan, M. Ferdon. A Phase II, Randomized, Investigator Blinded, Parallel Group Study of Photodynamic Therapy (PDT) With Topical 20% Aminolevulinic Acid HCL (ALA) and Visible Blue Light vs. Vehicle (VEH) and Visible Blue Light in the Treatment of Moderate to Severe Acne Using Various Drug Incubation Times. Poster. Summer AAD meeting 2007

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**Rich, P.**, Geisse, J., Sterry, W., Marks, R. Imiquimod 5% With and Without Occlusion for the Treatment of Patients with Superficial BCC. Poster. February 2002 60<sup>th</sup> Annual AAD meeting.

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**Rich, P.** The Efficacy and Tolerability of Intraconazole Compared with Fluconazole in the Treatment of HIV Patients. Poster. August 1998 AAD meeting

**Rich, P.**, Schein, J., Lubeck, D. Onychomycosis: Symptoms and Quality of Life Associated with this Medical Conditions. Poster. August 1998 AAD meeting.

**Rich, P.**, Patient Acceptance of Intermittent or Pulse Itraconazole Treatment of Toenail Onychomycosis. Poster and abstract presented at the 19<sup>th</sup> World Congress of Dermatology, Sydney, Australia, June 15-20, 1997.

***Clinical Research:***

- 2016 A Phase 2, Multicenter, Randomized, Parallel-Arm, Placebo-Controlled Study of Trade Name in Subjects with Moderate-to-Severe Plaque Psoriasis
- 2016 A multi-centre, double-blind, randomized, vehicle-controlled study of efficacy and safety of topical Trade Name in the treatment of mild to moderate distal subungual onychomycosis (DSO)
- 2016 A Phase 2, Double-Blind, Placebo-Controlled, Dose-Finding Study to Evaluate the Safety, Tolerability, and Efficacy of Trade Name in Adult Subjects with Moderate to Severe Chronic Plaque Psoriasis who are Candidates for Systemic Therapy or Phototherapy
- 2016 A Randomized, Double-Blind Study to Compare the Efficacy, Safety and Long-Term Safety of Topical Administration of Trade Name for 1 Year in the Treatment of Moderate-to-Severe Acne Vulgaris
- 2016 A 52-week, multicenter, randomized, double-blind study of Trade Name (300 mg) to demonstrate efficacy as assessed by Psoriasis Area and Severity Index and Investigator's Global Assessment after 12 weeks of treatment, compared to Trade Name, and to assess Long-term safety, tolerability, and efficacy in subjects with moderate to severe plaque Psoriasis
- 2016 Trade Name Versus Trade Name in a Randomized, Double Blind, Parallel Group Trial in Moderate to Severe Plaque Psoriasis to Assess Safety and Efficacy After 16 Weeks of Treatment and After Inadequate Trade Name Treatment Response
- 2016 Trade Name Versus Trade Name and Placebo Comparators in a Randomized Double Blind Trial for Maintenance Use in Moderate to Severe Plaque Type Psoriasis-2
- 2015 An Open-Label, Long-Term Extension Study to Evaluate the Safety of Trade Name Cream, 1% Applied Twice Daily in Subjects with Acne Vulgaris
- 2015-2016 A Double-Blind Extension Study to Evaluate the Post Treatment Safety and Duration of Clinical Effect of Trade Name in Subjects Who Completed Either the Core 18 or Core 19 Study
- 2015 A Phase 3, Multicenter, Randomized, Double-Blind, Vehicle-Controlled Study to Evaluate the Safety and Efficacy of Trade Name Cream, 1% Applied Twice Daily for 12 Weeks in Subjects with Facial Acne Vulgaris
- 2015 An Open-label Study to Evaluate the Safety, Tolerability, and Pharmacokinetics of Trade Name topical solution, 5% in the Treatment of Onychomycosis of the Toenail in Pediatric Subjects Ages 12 to 17 Years and 11 Months
- 2015 An Open-Label Study Assessing Long-Term Safety of Trade Name Subjects with Primary Axillary Hyperhidrosis
- 2015-2016 A Phase 3, Randomized, Double-Blind, Vehicle-Controlled Efficacy and Safety Study of Trade Name in Subjects with Axillary Hyperhidrosis



Clinical Research Trials, continued.

- 2015-2015 A Multi-Center, Randomized, Double-Blinded, Placebo-Controlled Study Evaluating the Safety and Efficacy of Trade Name for the Reduction of Central Abdominal Bulging Due To Subcutaneous Fat in Non-Obese Subjects
- 2015 A Multicenter, Randomized, Double-Blind Study Comparing the Efficacy and Safety of Trade Name Dosing Regimens in Patients with Moderate-to Severe Plaque Psoriasis
- 2015 A Long Term Safety and Efficacy Study of Trade Name Cream in Subjects With Acne Vulgaris
- 2015 Efficacy and Safety of Trade Name Gel in Field Treatment of Actinic Keratosis on Full Face, Balding Scalp or Approximately 250 cm<sup>2</sup> on the Chest
- 2015 A Phase 2 Study Comparing the Occurance of Actinic Keratosis on the Face in High-Risk Individuals After Cryotherapy + Photodynamic Therapy with Trade Name Topical Solution + Blue Light Versus Cryotherapy + Vehicle Topical Solution + Blue Light
- 2015 An Open-label Study Evaluating the Long-term Efficacy, Quality of Life, and Safety of Trade Name (isotretinoin) Capsules Administered Without Food in Patients With Severe Recalcitrant Nodular Acne
- 2014 Twelve Month Follow-up Evaluation of Subjects Participating in (A Phase 3 Study of Photodynamic Therapy with Trade Name Topical Solution Plus Blue Light Versus Topical Solution Vehicle Plus Blue Light For the Treatment of Actinic Keratoses on the Upper Extremities)
- 2014 A Randomized, Double-Blind, Multicenter Study to Demonstrate Equivalent Efficacy and to Compare Safety and Immunogenicity of a Biosimilar Trade Name and Trade Name in Patients with Moderate to Severe Chronic Plaque-type Psoriasis
- 2014 A Randomized, Multicenter, Double-Blind, Placebo-controlled Study to Evaluate the Efficacy and Safety of 1.5 mg/kg per Day Trade Name Compared to Placebo in the Treatment of Acne Vulgaris
- 2014-2016 A Phase 2 Multicenter, Randomized, Double-blind, Placebo-Controlled Trial to Evaluate Trade Name for the Treatment of Subjects with Moderate to Severe Plaque-type Psoriasis
- 2014 A Phase 2, Randomized, Double-Blind, Placebo-Controlled, Dose-Ranging Study to Evaluate the Efficacy and Safety of Trade Name Oral Tablets in the Treatment of Patients with Distal and Lateral Subungual Onychomycosis of the Toenail
- 2014 A Phase 3, Multicenter, Randomized, Double-Blind Study to Evaluate the Efficacy and Safety of Trade Name for the Treatment of Subjects With Moderate to Severe Plaque-type Psoriasis and an Inadequate Response to Trade Name
- 2014 A Phase 3, Multicenter, Randomized, Double-Blind, Placebo and Active Comparator-Controlled Study Evaluating the Efficacy and Safety of Trade Name for the Treatment of Subjects with Moderate to Severe Plaque-Type Psoriasis with Randomized Withdrawal and Retreatment

Clinical Research Trials, continued.

- 2014 A Phase 3, Multicenter, Randomized, Double-Blind, Placebo and Active Comparator-Controlled Study Evaluating the Efficacy and Safety of Trade Name for the Treatment of Subjects with Moderate to Severe Plaque-Type Psoriasis
- 2014-2016 Twelve Month Follow-Up Evaluation of Subjects Participating in DUSA-CP0108 (A Phase 3 Study of Photodynamic Therapy with Trade Name Topical Solution Plus Blue Light Versus Topical Solution Vehicle Plus Blue Light For the Treatment of Actinic Keratoses on the Upper Extremities)
- 2014-2016 A Randomized, Double-Blind, Multicenter Study to Demonstrate Equivalent Efficacy and to Compare Safety and Immunogenicity of a Biosimilar Trade Name Biologic and Trade Name Biologic in Patients with Moderate to Severe Chronic Plaque-Type Psoriasis
- 2014 A 52-Week, Multicenter, Randomized, Double-Blind Study of Subcutaneous Trade Name to Demonstrate Efficacy as Assessed by Psoriasis Are and Severity Index at 16 Weeks of Treatment Compared to Trade Name and to Assess Long-Term Safety, Tolerability and Efficacy in Subjects with Moderate to Severe Plaque Psoriasis
- 2014-2015 A Long-Term Safety and Efficacy Study of Trade Name Cream 1.0% in Patients with Persistent Erythema Associated with Rosacea
- 2014-2015 A Phase 3 Study of Photodynamic Therapy with Trade Name Topical Solution Plus Blue Light Versus Topical Solution Vehicle Plus Blue Light for the Treatment of Actinic Keratoses on the Upper Extremities
- 2014-2016 A Phase 3, Multicenter, Double-Blind, Randomized, Parallel-Arm, Placebo-Controlled Study to Evaluate the Safety and Efficacy of Trade Name for Treatment of Nail Psoriasis in Patients with Chronic Plaque Psoriasis
- 2014-2015 A Phase 2 Randomized, Double-Blind, Vehicle-Controlled, Dose-Ranging Study to Investigate the Efficacy and Safety of Trade Name in Patients with Mild to Moderate Onychomycosis
- 2013 A Follow-up Evaluation of Study Subjects Treated in a previous Protocol -the Phase 3 Double-Blind, Randomized, Parallel Group Study Evaluating the Efficacy and Safety of Trade Name in Patients with Severe Recalcitrant Nodular Acne
- 2013 A 12-Week Multicenter, Randomized, Double-Blind, Placebo-Controlled Study Comparing the Efficacy and Safety of Trade Name to Etanercept and Placebo in Patients with Moderate to Severe Plaque Psoriasis with a Long-Term Extension Period
- 2013-2014 Safety and Efficacy of Escalating Doses of Trade Name for Two or Three Consecutive Days When Used on Full Face, Full Balding Scalp or Approximately 250 cm<sup>2</sup> on the Chest in Subjects with Actinic Keratosis.
- 2013-2014 A Phase 2a, Randomized, Double-Blind, Placebo-Controlled, Dose-Ranging Study to Evaluate the Efficacy and Safety of Trade Name Oral Tablets in the Treatment of Patients with Moderate to Severe Interdigital Tinea Pedis

Clinical Research Trials, continued.

- 2013-2014 A Phase 2B, Multi-Site, Randomized, Double-Blind, Vehicle-Controlled, Parallel-Group Study of the Efficacy, Safety, Local Tolerability, and Pharmacokinetics of 2 Dose Strengths and 2 Regimens of Trade Name Ointment in Subjects with Chronic Plaque Psoriasis
- 2013 A Randomized, Double-Blind, Placebo-Controlled, Multicenter, Study to Demonstrate the Efficacy at 16 Weeks of Trade Name Drug and to Assess Safety, Tolerability and Long-Term Efficacy up to 80 Weeks in Subjects with Moderate to Severe Nail Psoriasis
- 2013-2014 A Phase 2, Randomized, Vehicle-Controlled, Double-Blind, Multicenter Study to Evaluate the Safety and Efficacy of Three Once-Daily Trade Name Topical Gels Versus Vehicle Administered for 12 Weeks to Subjects with Papulopustular Rosacea
- 2013 A 52-Week, Phase 3, Randomized, Active Comparator and Placebo Controlled, Parallel Design Study to Evaluate the Efficacy and Safety/Tolerability of Subcutaneous Trade Name Drug, Followed by an Optional Long-Term Safety Extension Study, in Subjects With Moderate-to-Severe Chronic Plaque Psoriasis
- 2012-2013 A Randomized, Double Blind, Placebo Controlled, Parallel Design, Multiple Site, Clinical Study to Evaluate the Bioequivalence of Two Trade Name Cream Formulations in Patients with Actinic Keratosis
- 2012-2014 Safety and Efficacy of Trade Name Solution, 10% with Two Dosing Regimens in Distal Subungual Onychomycosis of the Toenails: A Randomized, Double-Blind, Vehicle-Controlled, Phase 2b/3 Study
- 2012-2013 A Phase 3, Multi-Center, Randomized, Double-Blind, Vehicle-Controlled, 2-Arm, Parallel Group Comparison Study Comparing the Efficacy and Safety of Trade Name and Trade Name vehicle Gel in the Treatment of Acne Vulgaris
- 2012-2013 A Multiple-Dose (0.3%, 1%, and 3% [w/w]), Randomized, Blinded, Vehicle- and Active Comparator-Controlled, Sequential Dose Cohorts, Multi-Center Trial to Assess the Safety, Pharmacokinetics, and Proof-of-Concept Efficacy of Topical Trade Name Ointment, Applied Twice Daily for 28 Days, in Adult Subjects With Atopic Dermatitis
- 2012-2013 A Double-Blind, Randomized, Parallel-Group, Vehicle-Controlled, Multicenter Study Comparing Generic Drug to Reference Listed Drug in the Treatment of Tinea Pedis
- 2012 A Parallel-Group, Vehicle Controlled, Randomized, Double-Blind Study of the Efficacy and Safety of Trade Name and Trade Name in Subjects with Seborrheic Dermatitis
- 2012-2015 A Phase 3 Study to Evaluate the Efficacy and Safety of Induction and Maintenance Regimens of Trade Name Compared with Placebo and Trade Name in Subjects With Moderate to Severe Plaque Psoriasis
- 2012 A Multicenter, Double-Blind, Randomized Withdrawal Extension Study of Subcutaneous Trade Name Drug in Prefilled Syringes to Demonstrate Long-Term Efficacy, Safety and Tolerability up to 2 Years in Subjects with Moderate to Severe Chronic Plaque-Type Psoriasis Completing Preceding Psoriasis Phase III Studies with Trade Name Drug

Clinical Research Trials, continued.

- 2012-2013 A Randomized, Multi-Center, Investigator-Blind, Vehicle- and Active- Controlled, Phase 2 Study to Assess the Efficacy and Safety of Different Concentrations of Trade Name Cream Applied Once Daily in Subjects with Moderate to Severe Acne Vulgaris
- 2012 A Randomized, Multicenter, Double-Blind, Placebo-controlled Study to Evaluate the Safety and Efficacy of 3 Different Doses of a Trade Name, Compared to Placebo in Treatment of Facial Acne Vulgaris
- 2012-2015 A Phase 3b, Randomized, Double-blind, Active-controlled, Multicenter Study to Evaluate a "Subject-tailored" Maintenance Dosing Approach in Subjects with Moderate to Severe Psoriasis
- 2012-2013 A Randomized, Double-Blind, Placebo-Controlled, 4-week Trial of Trade Name in Patients with Moderate to Severe Plaque Psoriasis
- 2011-2013 A Randomized, Double-blind, Placebo-controlled Study to Evaluate the Efficacy and Safety of Trade Name in Subjects with Moderate to Severe Acne Vulgaris
- 2011-2013 A Phase 3 Randomized, Double-blind, 12-Week Vehicle-controlled, Parallel-group Study Assessing the Efficacy and Safety of Trade Name Cream Versus Vehicle Cream in Subjects with Papulopustular Rosacea, Followed by a 40-Week Investigator-blinded Extension Comparing the Long-Term Safety of Trade Name Cream Versus Trade Name Gel
- 2011-2012 A Multi-Center, Double-Blind, Randomized, Vehicle-Controlled, Parallel-Group Study to Compare Generic Name Topical Gel 0.1%/2.5% to Trade Name Topical Gel 0.1%/2.5%, and Both Active Treatments to a Vehicle Control in the Treatment of Acne Vulgaris
- 2011-2012 A Randomized, Placebo-Controlled Phase IIb Study to Evaluate the Efficacy, Safety and Tolerability of Trade Name Topical When Applied Twice Daily in Subjects with Psoriasis Vulgaris
- 2011 A Randomized, Double-Blind, Placebo Controlled, Multicenter Study of Subcutaneous Trade Name to Demonstrate Efficacy After Twelve Weeks of Treatment, and to Assess the Safety, Tolerability and Long-Term Efficacy up to One Year in Subjects with Moderate to Severe Chronic Plaque-Type Psoriasis
- 2011-2013 A Randomized, Double-Blind, Double-Dummy, Placebo Controlled, Multicenter Study of Subcutaneous Trade Name to Demonstrate Efficacy After Twelve Weeks of Treatment, Compared to Placebo and Trade Name, and to Assess the Safety, Tolerability and Long-Term Efficacy up to One Year in Subjects with Moderate to Severe Chronic Plaque-Type Psoriasis
- 2011-2012 A Proof of Concept (PoC) Study to Evaluate the Safety, Tolerability, and Efficacy of 12 Week Administration of Trade Name Ointment in Rosacea Patients
- 2011-2013 A Phase 2 Multicenter, Randomized, Placebo- and Active-Comparator-Controlled, Dose-Ranging Trail to Evaluate Trade Name for the Treatment of Subjects with Moderate to Severe Plaque-type Psoriasis

Clinical Research Trials, continued.

- 2011-2012 A Multicenter, Randomized Double-Blind, Vehicle-Controlled, Parallel Group Study to Demonstrate the Efficacy and Assess the Safety of Trade Name Gel Applied Topically Once Daily in Subjects with Moderate to Severe Facial Erythema Associated with Rosacea
- 2011 A Double-Blind, Randomized, Parallel-design, Vehicle-controlled, Multicenter Trial Comparing Generic to Trade Name and Benzoyl Peroxide, 5% Topical Gel and Both Active Treatments to a Vehicle Control in the Treatment of Acne Vulgaris
- 2011-2012 A Multi-Center, Randomized, Double-Blind, Vehicle-Controlled, Parallel Group Comparison of Trade Name Foam VS Foam Vehicle and an Evaluator Blinded Comparison of Trade Name Cream in Subjects with Interdigital Tinea Pedis
- 2011-2012 A Multi-center, Randomized, Double-Blind, Placebo-Controlled, 3-Arm, Parallel Group Study Comparing the Efficacy and Safety of Trade Name 40 mg Tablets versus Placebo and Doxycycline 100 mg Capsules Once Daily in the Treatment of Inflammatory Lesions in Subjects with Acne Vulgaris
- 2011-2016 A Phase 3, Multi-Site, Open-Label Study of the Long Term Safety and Tolerability of 2 Oral Doses of Trade Name in Subjects with Moderate to Severe Chronic Plaque Psoriasis
- 2011 A Phase 3 double-Blind, Randomized, Placebo-Controlled, Multicenter, Parallel Group Evaluation of the Efficacy and Safety of Trade Name in Subjects with Tinea Pedis
- 2011-2013 A Phase 3, Multi-Site, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study of the Efficacy and Safety of 2 Oral Doses of Trade Name Medication in Subjects with Moderate to Severe Chronic Plaque Psoriasis
- 2010-2015 A Phase 3, Multicenter, Randomized, Double-Blind, Placebo-Controlled, Efficacy, and Safety Study of Trade Name In Subjects With Moderated to Severe Plaque Psoriasis
- 2010-2013 A Phase 3 Multicenter, Randomized, Double-blind, Placebo-controlled trial of a Trade Name Medication Administered Subcutaneously, in Subjects with Active Psoriatic Arthritis Including Those Previously Treated with Biologic Anti-TNF $\alpha$  Agent(s)
- 2010-2011 A Multicenter, Randomized, Vehicle-controlled, Double-blind, Parallel Group Study of Efficacy and Safety of Topical Aerosol Applied Twice Daily for 8 Weeks in Subjects with Plaque-type Psoriasis
- 2010-2011 An Open-Label Evaluation of the Adrenal Suppression Potential of Trade Name Lotion 0.05% in the Treatment of Moderate to Severe Atopic Dermatitis in Pediatric Subjects
- 2010-2013 A Randomized, Double-Blind, Vehicle-controlled, Multi-Center Study to Evaluate the Efficacy and Safety of Trade Name Solution, 5%, vs. Solution Vehicle in the Treatment of Onychomycosis of the Toenail in Adults
- 2008-2010 A Phase 2B, Multicenter, Treatment-Arm Blind, Safety and Efficacy 28-Week Extension Study of Trade Name in Subjects Who Completed the Treatment Phase of the Core Study
- 2010-2011 Trade name topical suspension compared to betamethasone dipropionate in the topical

Clinical Research Trials, continued.

suspension vehicle, calcipotriol in the topical suspension vehicle and the topical suspension vehicle alone in psoriasis vulgaris. A national, multi-centre, prospective, randomised, double-blind, 4-arm, parallel group, 8-week study in subjects with psoriasis vulgaris on the non-scalp regions of the body (trunk and/or limbs).

- 2010-2011 A 4-Week Randomized, Double-Blind, Parallel-Group, Vehicle-Controlled, Multicenter Study Investigating the Efficacy and Safety of Trade Name Gel Applied Topically Once Daily (QD), and Trade Name Gel Applied Topically Once Daily (QD) or Twice Daily (BID), in Subjects with Moderate to Severe Facial Erythema Associated with Rosacea
- 2010-2012 A Randomized, Double-Blind, Vehicle-Controlled, Multicenter, Parallel Group Study of the Safety and Efficacy of Trade Name Nail Lacquer 3% in the Treatment of Mild to Moderate Distal Subungual Onychomycosis of the Toenails for 52 Weeks
- 2010-2011 A Phase 2, Multicenter, Randomized, Double-Blind, Dose-Ranging Study to Evaluate Trade Name Versus Placebo in the Treatment of Severe Acne Vulgaris with Nodules
- 2010 An Evaluation of the Safety and Effectiveness of Trade Name Device in the Treatment of Mild-to-Moderate Acne
- 2010-2011 A Randomized, Double-Blind, Placebo-Controlled, Ascending Single Dose Study to Evaluate the Safety, Tolerability, Pharmacokinetics and Pharmacodynamics of Trade Name Drug in Healthy Subjects and Subjects with Moderate to Severe Atopic Dermatitis
- 2010-2016 A Multicenter Extension Trial of Subcutaneously Administered Trade Name in Patients With Moderate to Severe Chronic Plaque Type Psoriasis
- 2010-2012 A Randomized, Double-blind, Vehicle- and Placebo-Controlled, Multicenter Trial in Patients with Mild to Moderate Distal Subungual Toenail Onychomycosis to Investigate the Efficacy, Tolerability, and Safety of Twice Daily Application of Trade Name for 48 Weeks
- 2009-2010 A Randomized, Double-Blind, Vehicle-Controlled, Multicenter Study to Evaluate the Safety and Efficacy of Brand Name Compared with Vehicle Administered Topically in the Treatment of Distal Subungual Onychomycosis of the toenail
- 2010-2013 A Phase 3 Multicenter, Randomized, Double-blind, Placebo-controlled trial of Trade Name Medication, Administered Subcutaneously, in Subjects with Active Psoriatic Arthritis
- 2010-2011 A Randomized, Double-Blind, Placebo-Controlled, Multicenter Dose Ranging Study of Subcutaneously Administered Trade Name, Assessing Psoriasis Area and Severity Index (PASI) Response in Patients with Moderate to Severe Chronic Plaque-type Psoriasis
- 2010-2012 A Subject Blinded Placebo-Controlled Clinical Trial to Evaluate the Efficacy and Safety of Iontophoretic Application of Trade Name Gel in Subjects with Distal Subungual Onychomycosis in the Great Toenail
- 2009-2010 Randomized, Double-blind, Vehicle-Controlled, Multicenter, Parallel-Group Study to Investigate Safety and Efficacy of Trade Name Foam Topically Applied Twice Daily in Subjects with Papulopustular Rosacea

Clinical Research Trials, continued.

- 2009-2011 A Phase 3, Multicenter, Randomized, Double-Blind Study Evaluating the Safety and Efficacy of Trade Name Topical Solution Versus Vehicle in Subjects with Mild to Moderate Onychomycosis of the Toenails
- 2009-2016 A 10-Year, Post-marketing, Observational, Registry to Assess Long Term Safety of Trade Name in Adult Patients with Chronic Plaque Psoriasis
- 2009-2010 A Multicenter, Randomized, Double-Blind, Vehicle-Controlled, Parallel-Group Study to Evaluate the Safety and Efficacy of Trade Name Foam, In Subjects With Acne Vulgaris
- 2009-2011 A Double-Blind, Randomized, Phase III, Parallel Group Study Evaluating the Efficacy and Safety of Trade Name in Patients With Severe Recalcitrant Nodular Acne
- 2009-2011 A randomized, double-blind, placebo controlled, multicenter regimen finding study of subcutaneously administered trade name, assessing Psoriasis Area and Severity Index (PASI) response in patients with moderate to severe chronic plaque-type psoriasis
- 2009 A Phase 4, Open-Label, Multicenter, Community-based, 12-Week Trial Assesment of Effectiveness, Safety, and Subject Satisfaction With Trade Name Capsules When used as Monotherapy or as Add-On Therapy to Existing Topical Regimens for the Treatment of Rosacea
- 2009 A Four-Week, Multicenter, Randomized, Double-Blind, Vehicle-Controlled, Parallel Group Study to Evaluate the Efficacy and Safety of Trade Name Ointment Twice Daily in the Treatment of Adults with at Least Moderate Atopic Dermatitis
- 2009-2010 An Open-Label Study to Evaluate the Safety, Tolerability, and Local Terbinafine Concentrations of Trade Name in the Toenail of Both Healthy Subjects and Patients With Distal Subungual Onychomycosis
- 2009 A Randomized, Multi-Center, Double-Blind, Placebo-Controlled Duration-Finding, Study Evaluating the Efficacy and Safety of Two Week and Four Week Once Daily Treatment of Investigational Cream 1% in Patients with Tinea Pedis
- 2009-2010 A Randomized, Double-Blind, Double Dummy, Comparative, Multicenter Study to Assess the Safety and Efficacy of Investigational Ointment, 1%, versus Oral Trade Name in the Treatment of Secondarily-Infected Traumatic Lesions and Impetigo Due to Methicillin Resistant *Staphylococcus aureus*
- 2009-2010 An Open-Label Study to Evaluate the Safety, Efficacy, Tolerability, and Local Pharmacokinetics of Trade Name Implant in the Treatment of Distal Subungual Onychomycosis of the Fingernail
- 2009-2010 A Usability Study of a Trade Name Device on Adult Subjects with Acne
- 2009 A Randomized, Double-Blind, Multiple-Site, Placebo-Controlled, Clinical Study to Evaluate the Bioequivalence of Generic Cream 5% Compared to Trade Name Cream 5% in Patients with Actinic Keratosis

Clinical Research Trials, continued.

- 2009 A Double-Blind, Randomized, Parallel-Group, Vehicle-Controlled, Multicenter Study to Evaluate the safety and Bioequivalence of Generic Gel and Trade Name Gel and Compare Both Active Treatments to a Vehicle Control in the Treatment of Actinic Keratosis
- 2008-2011 Assessment and Tracking of Long-term Trade Name Medication.
- 2008-2010 A Phase 2, Multicenter, Randomized, Double-Blind, Placebo-controlled, Dose-Ranging, Efficacy and Safety Study of Brand Name in Subjects with Moderate to Severe Plaque Type Psoriasis (Core Study)
- 2008-2009 A Phase 3 Double-Blind, Randomized, Placebo-Controlled, Multicenter, Parallel Group Evaluation of the Efficacy and Safety of Brand Name in Subjects with Tinea Pedis
- 2008 A Randomized, Double-Blind, Placebo-Controlled, Single-and Multiple Dose, Dose-Escalation Trial of Brand Name in Psoriatic Subjects, Followed by an Expansion Phase
- 2008-2010 A Phase 4, Open-Label Study to Assess the Long-Term Safety of Brand Name Foam, 2% in the Treatment of Seborrheic Dermatitis
- 2008-2010 A Phase 2, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Dose-Ranging Study to Investigate the Efficacy and Safety of 4 Dose Regimens of Generic in Subjects with Distal Subungual Onychomycosis
- 2008 A Phase 3, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study Comparing the Efficacy and Safety of Brand Name to Brand Name and Placebo in Subjects with Moderate to Severe Chronic Plaque Psoriasis
- 2008 A Phase 3, Multi-Center, Open-Label Continuation Study in Moderate to Severe Chronic Plaque Psoriasis Subjects who Completed a Preceding Psoriasis Study With Brand Name
- 2008-2010 A Randomized, Double-Blind, Vehicle-Controlled, Dose-Ranging Study of Brand Name Topical Cream for the Treatment of Superficial Basal Cell Carcinoma
- 2008 A Randomized, Double-Blind, Vehicle-Controlled, Dose-Ranging Study of Brand Name
- 2008 An observational study of cure status in a subset of subjects with psoriasis from a previous protocol
- 2008-2009 A Phase 2B, Multicenter, Randomized, Double-Blind, Parallel-Group, Placebo-Controlled Trial Evaluating the Efficacy and Safety of Dose Regimens with Oral Brand Name in the Treatment of Subjects with Chronic Plaque Psoriasis
- 2008-2009 A Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Efficacy and Safety Study of Two Doses of Brand Name in Patients with Atopic Dermatitis
- 2008 A Multicenter, Randomized, Double-Blind, Phase 3 Study of the Safety and Efficacy of Brand Name Foam, 0.005% versus Vehicle Foam in Subjects with Plaque-Type Psoriasis
- 2008-2009 A Multicenter, Double-Blind, Randomized, Vehicle-Controlled, Parallel-Group Study Comparing Generic Cream to Brand Name Cream and Both Active Treatments to a



Clinical Research Trials, continued.

Vehicle Control in the Treatment of Actinic Keratosis of the Face or Scalp

- 2008-2012 Efficacy and Safety of Alitretinoin in the Treatment of Severe Chronic Hand Eczema Refractory to Topical Therapy
- 2008 A Randomized, Double-blind study to Evaluate the Efficacy of a New Oral Low Dose Formulation of Brand name as Compared to Placebo in the Treatment of Moderate to Severe Inflammatory Facial Acne vulgaris
- 2008-2009 A Phase 3, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study Comparing the Safety and Efficacy of Two Dosing Regimens of Brand Name to Placebo in Subjects with Moderate to Severe Chronic Plaques Psoriasis
- 2007-2010 A Multicenter, Open-label Study to Assess the Efficacy and Safety of Brand Name Therapy in Patients with Plaque Psoriasis Who Had an Inadequate Response to Brand Name
- 2007-2009 A Multicenter, Double-Blind, Randomized, Vehicle-Controlled, Parallel-Group Study Comparing Brand Name Ointment 0.1% to Brand Name Ointment 0.1% and Both Active Treatments to a Vehicle Control in the Treatment of Atopic Dermatitis
- 2007-2008 A Phase 2 Study of the Dose-Effect of Brand Name Ointment in Patients with Plaque-type Psoriasis.
- 2007-2009 A Phase 2B, Multi-Center, Double-Blind, Randomized, Dose-Ranging Clinical trial to Evaluate Brand Name in the Treatment of Moderate to Severe Acne Vulgaris with Nodular Involvement.
- 2007-2008 A Clinical Assessment of Combination Therapy with Brand Name 0.3% and Brand Name gel in Subjects with Acne Vulgaris.
- 2007-2008 A Double-Blind, Randomized, Parallel-group Placebo-Controlled, Multi-center Study to Evaluate the Safety and Clinical Equivalence of Generic Cream 5% to Brand Name Cream 5% and both Active Treatments to a Vehicle Control in the Treatment of Actinic Keratosis of the Face or Scalp.
- 2007-2009 A Multi-center, Placebo-Controlled, Double-Blind study to Evaluate the Safety and Efficacy of Brand Name in the Treatment of Distal Subungal Onychomycosis of the Toenail
- 2007-2008 A Double-Blind, Randomized, Parallel-Group, Placebo-Controlled, Multi-Center study to Evaluate the Safety and Clinical Equivalence of Generic 1% gel, Brand Name 1% gel, and both Active Treatments to a Vehicle Control in the Treatment of Inflammatory Rosacea lesions.
- 2007 A randomized, double-blind, active-controlled, multi-center, parallel-group dose-ranging study assessing the safety and efficacy of Brand Name versus Brand Name among immunocompetent patient with an acute episode of herpes zoster

Clinical Research Trials, continued.

- 2007 Two Multi-center, Randomized, double-blind, parallel group comparison studies to demonstrate the efficacy and safety of Brand Name lotion, compared with vehicle lotion in subjects with acne vulgaris
- 2007 An Open-Label, Multi-Center, Uncontrolled, Single-Group Assignment, Long-Term safety Study of Trade name cream in subjects with Actinic Keratosis
- 2007 An Investigator-Blinded Study Evaluating the Efficacy and Safety of Four Brand name Treatment Regimens With Placebo and Brand name in the Treatment of Onychomycosis of the Toenail.
- 2007 A Single Center, Open Label Study to Evaluate the Tolerability of test placebo product in Healthy Subjects
- 2007 A Pilot Multi-Center, Double-Blind, Randomized, Parallel-Group Study Comparing Generic cream to Brand Name cream in the Treatment of Actinic Keratosis of the Face or Scalp.
- 2007 A Multicenter Dose-Escalation and Dose-Response Study of Photodynamic Therapy with Brand name cream in patients with Moderate to Severe Acne Vulgaris in the Face
- 2007 Early Diagnosis of Melanoma using Expression Profiling and Non-invasive sampling of Skin Cells
- 2007 A Multicenter, Open Registry of Patients with Plaque Psoriasis Who are Candidates for Systemic Therapy Including Biologics
- 2006-2007 A randomized, double-blind, parallel-group, multicenter, dose-response, vehicle-controlled study of the safety and efficacy of brand name in the treatment of mild to moderate distal subungual onychomycosis of the toenail
- 2006-2007 A randomized, double-blind, vehicle-controlled, Multicenter, parallel group study to assess the efficacy safety, and tolerability of topical brand name formulation for 24 or 48 weeks of treatment in patients with mild to moderate toenail onychomycosis
- 2006-2007 Dose-effect study of brand name in Rosacea
- 2006-2007 A double-blind, randomized, Multicenter, vehicle-controlled, dose-ranging study of generic cream to determined the safety and efficacy in subjects with plaque psoriasis receiving three weeks of treatment
- 2006-2007 A Phase III Randomized, evaluator-blind, parallel group study of the safety and efficacy of brand name tablets, brand name capsules and placebo in the treatment of onychomycosis of the toenail
- 2006 Observational post-marketing safety surveillance registry of brand name for the treatment of psoriasis
- 2006 Dose-effect study of brand name in Rosacea

Clinical Research Trials, continued.

- 2006-2007 A Phase 3, Multi-center, randomized, double-blind, vehicle-controlled, 4-arm parallel group comparison study comparing the efficacy and safety of brand name, brand name vehicle, generic medication, and generic gel in the treatment of moderate to severe acne vulgaris
- 2006-2007 A Phase 2 trial of the safety, local tolerability, and efficacy of chronic daily ungula application of study medication (nail lacquer) to subjects with onychomycosis of the great toenail
- 2006-2007 A randomized, double-blind, active-controlled, vehicle-controlled, subject initiated study comparing efficacy and safety of study medication versus generic cream for treatment of recurrent herpes simplex labialis
- 2006 A Multicenter, randomized, double-blind study of the safety and efficacy of emulsion formulation generic foam versus vehicle foam, Brand Name ointment, and vehicle ointment in the treatment of mild to moderate plaque-type psoriasis
- 2006-2010 A Multicenter, open-label, controlled phase II study to evaluate safety and immunogenicity of smallpox vaccine in 18-40 year old subjects with diagnosed Atopic dermatitis
- 2006-2011 A Phase 3, Multicenter, Randomized, double-blind, placebo controlled trial evaluating the efficacy and Safety of investigational medication in the treatment of subjects with moderate to severe plaque-type psoriasis
- 2006 A Clinical evaluation of Brand name Cream 0.1% indicated for the topical treatment of patients with acne vulgaris, who do not want to or are unable to participate in the IPLEDGE program
- 2006-2011 A Phase 3, Multicenter, Randomized, Double-blind, Placebo-controlled Trail Evaluating the Efficacy and Safety of Brand Name in the Treatment of Subjects With Moderate to Severe Plaque-type Psoriasis
- 2006 A Comparison of Brand name Gel, 0.1% vs. Brand Name Cream, 0.1% vs. Brand Name Gel, 0.1%, 6-Week Treatment Switched to Brand Name Cream, 0.1%, 6-weeks Treatment in Patients with Acne Vulgaris
- 2006 A Four Week Randomized, Double-Blind, Placebo-Controlled Clinical Trial to Evaluate the Onset Efficacy of Brand Name 40 mg Administered Once Daily in Conjunction with Brand Name Gel 15% for the Treatment of Rosacea
- 2006 A Randomized, Double-Bind, Vehicle-Controlled Study of the Safety and Efficacy of Brand Name Foam, 2%, Versus Generic 2% Cream in the Treatment of Seborrheic Dermatitis
- 2006 A Randomized, Evaluator Blinded, Vehicle-Controlled, Multi-Center Study of the Safety and Efficacy of 4% Trade Name Cream, Versus its Vehicle Cream, Versus Brand Name Treatment of Actinic Keratosis
- 2006 A 16-week, Multicenter, Randomized, Double-Blind, Placebo-Controlled, Sequential Dose Response Clinical Trail Designed to Determine the Safety, Effectiveness and Tolerability

Clinical Research Trials, continued.

of 5, 10 and 20 mg of Brand Name Capsules Administered Once Daily Versus Placebo Capsules Administered Once Daily in Patients with Acne

- 2006 A Phase 4, Open-Label, Multicenter, Community-based, 4-week Trial Assessing Efficacy, Tolerance to Treatment, and subject Satisfaction With brand name spray, when Used as Mono-therapy or as Add-on therapy to Existing Systemic or Topical Antipsoriatic Agents for the Treatment of Moderate to Severe Plaque Psoriasis.
- 2005 An Open-Label, Multicenter Study to Evaluate the Efficacy and Safety of Brand Name medication in Adults with Psoriasis Involving the Fingernails
- 2005 A Phase 2, Multi-Center, Randomized, Evaluator-Blind, Vehicle controlled, 6-arm, Parallel Group Comparison Study Comparing the Efficacy and Safety of Brand Name Gel Vs Generic 1% Vs Generic 2.5% gels in the Treatment of Acne Vulgaris
- 2005 A Phase 2B Efficacy and safety Study of Four Brand Name Topical Gel Formulations of Anti-Fungal Agents, Vs Vehicle in the Treatment of Tinea Unguium
- 2005 A Randomized, Double-Blind, Placebo-Controlled, Parallel Group, Multi-Center study Comparing Generic cream Vs Marketed Generic Cream and Both Active Treatments to A vehicle Control in the Treatment of Tinea Versicolor
- 2005 A Randomized, Double-Blind, Vehicle-Controlled, Multi-Center Study to Evaluate the Safety and Efficacy of Topically Applied Brand Name vs. Vehicle for the Treatment of Adult Subjects with Mild to Moderate Atopic Dermatitis
- 2005 A 16-week, Multicenter, Randomized, Double-Blind, Placebo-Controlled, Sequential Dose Response Clinical Trial Designed to Determine the Safety, Effectiveness and Tolerability of 5, 10, and 20 mg Brand name capsules administered Once Daily Vs Placebo Capsules Administered Once Daily in Patients with Acne
- 2005-2009 An Epidemiologic study of Psoriasis outcomes and Safety Events in Patients with Chronic Moderate to Severe Plaques Psoriasis
- 2005 An Open-label Safety and Pharmacokinetic Study of Brand name Cream, for One, Two or Three Treatment Cycles to surface Area Greater than 25 cm<sup>2</sup> with Actinic Keratosis.
- 2005 A Randomized, Double-Blind, Vehicle-Controlled Study of the safety and Efficacy of Brand name foam Vs. Generic cream in the treatment of seborrheic dermatitis.
- 2005 Safety and Efficacy Evaluation of Generic Gel Vs. Vehicle in the Treatment of Mild to Moderate Acne Vulgaris
- 2005 A multi-Center, Double-Blind, Randomized, Vehicle Controlled, Parallel-Group Study Comparing Generic Cream to Brand Name Cream and Both Active Treatments to a Vehicle Control in the Treatment of Actinic Keratosis of the Face or Scalp
- 2005 A Randomized, Double-Blind, Placebo-Controlled Clinical Trial to Determine the Effect of Brand Name Oral Capsules Administered Once Daily in Conjunction with Brand Name for the Treatment of Rosacea

Clinical Research Trials, continued.

- 2005 A Randomized, Double-Blind, Placebo-Controlled, Multi-Center Study to Evaluate the Safety and Efficacy of Topically Applied Brand Name Gel vs. the Vehicle for the Treatment of Pediatric Subjects with Mild to Moderate Atopic Dermatitis
- 2005 Evaluation of Hand and Nail Cream on the condition of the Hands and Fingernails
- 2005 Twelve Month Follow-Up Evaluation of Subjects Participating in: A Phase II, Multicenter, Randomized, Investigator Blinded, Parallel-Group Study of Photodynamic Therapy in the Treatment of Moderate to Severe Facial Acne Vulgaris with Topical Solution Plus Light versus Vehicle Plus Light
- 2005 A Randomized, Double-Blind, Parallel Group, Multicenter, Phase 3 Extension, Efficacy and safety Study of Brand name vs. placebo combined with oral Medication in the treatment of onychomycosis
- 2005 An Open Label, Single Group, Multicenter, Phase III Extension Study to Assess the Maintenance Use of Brand Name in the treatment of Onychomycosis
- 2005 Efficacy and Safety of Brand Name Gel Compared to Brand Name Gel in the Treatment of Rosacea
- 2005 A Randomized, Double-Blind, Parallel-Group, Multicenter, Dose-Response, Vehicle-Controlled Study of the Safety and Efficacy of a Brand Name in the Treatment of Mild to Moderate Distal Subungual Onychomycosis of the Toenail
- 2004 A Phase 3B, Open-Label effectiveness and safety study of topical cream in the treatment of Actinic Keratosis
- 2004 A Phase 2, Multicenter, randomized, investigator blinded, parallel-group study of photodynamic therapy in the treatment of moderate to severe facial acne vulgaris with topical solution plus light versus vehicle plus light
- 2004 A Randomized, Double-blind, Double-dummy, Multicenter non-inferiority Phase III study to assess the safety and efficacy of topical ointment, applied twice daily, versus oral medication in the treatment of secondarily-infected dermatoses
- 2004 A 6 week randomized, Multicenter, Double-blind, Placebo-controlled, Parallel group study to investigate the efficacy and safety of brand name cream in patients with mild to moderate chronic hand dermatitis, followed by a 6 week open label phase to assess the safety of a brand name cream
- 2004 A Multicenter, Open-label, Prospective study to evaluate the effectiveness and safety of a generic medication in the treatment of subjects with Psoriasis
- 2004 A Three-stage, Modified-blind, Dose-escalating study to assess efficacy and safety of study medication gel applied 3 times per week for 4 weeks for the treatment of common warts in adults

Clinical Research Trials, continued.

- 2004 Phase 3 Vehicle-controlled, Double-blind study to assess the safety and efficacy of brand name medication for the treatment of Molluscum Contagiosum in pediatric subjects
- 2004 Phase 2, Multiple-Dose study to assess safety and efficacy of a topical study cream applied 1, 2 and 3 times a week for 8 weeks in subjects with Actinic Keratosis
- 2004 A Double-blind, Randomized, Parallel-group, Vehicle-controlled, Multi-center study to evaluate the safety and clinical equivalence of a generic medication to a brand name medication in the treatment of Tinea Pedis
- 2004 A Multicenter, Randomized, Double-blind, Placebo-controlled, Parallel-group clinical trial to determine the effects of a generic medication administered once daily versus a placebo controlled administered once daily for the treatment of Rosacea
- 2004 A Multicenter, Randomized, Double-blind, Parallel group study to evaluate the safety and efficacy of a fixed combination of a brand name gel compared to each monad and topical gel vehicle in subjects with acne vulgaris
- 2004 A Phase 2, Multicenter, Double-Blind, Randomized, Dose-Ranging Evaluation of the Efficacy of a Topical Gel Following Repeated Topical Application on Subjects with Acne Vulgaris
- 2004 A Multicenter Efficacy and Safety Study of a Topical Gel Combination and Maintenance Therapy of Moderate-to-Severe Papulopustular Rosacea:
- 2004 an Open- Label, 12-Week Study of Combined Topical Gel and Systemic Medication Followed by a Double-Blind, Randomized, 24-Week Comparison of Topical Gel With its Vehicle in Maintaining Remissions of Rosacea
- 2004 A Long Term Safety and Efficacy Study of a Fixed Combination of a Topical Gel in Subjects with Acne Vulgaris
- 2004 A Randomized, Double Blind, Placebo Controlled, Parallel Group Study to Assess the Safety and Efficacy of Three Dose Levels of a Medication in the Treatment of Chronic Plaque Psoriasis
- 2004-2011 A Multicenter International Observational Study of the Long-Term Safety of Brand Name Medication
- 2004 A 26-Week, Randomized, Multicenter, Parallel-Group, Double Blind, Vehicle-Controlled Study to Evaluate the Incidence of Atopic Dermatitis Flares When Cream is Used at the First Signs and/or Symptoms of Atopic Dermatitis and its Safety and Tolerability in Adults 18 Years of Age and Older
- 2004 A Double-Blind, Randomized, Parallel-Group, Vehicle-Controlled Multi-Center Study to Evaluate the Safety and Equivalence of a Generic Cream to Brand Name Cream
- 2003 Efficacy and Safety of Brand and Shampoo in the Prevention of Relapse of Seborrheic Dermatitis of the Scalp

Clinical Research Trials, continued.

- 2003 A Phase 3B, Open-Label, Multicenter Study to Evaluate the Safety of a Subcutaneously Administered Brand Name Medication in Adults With Moderate to Severe Plaque Psoriasis, Including Those Who are Receiving Concomitant Anti-Psoriatic Therapies or Have Recently Transitioned From Systemic Therapies.
- 2003 The Efficacy and Safety of Combination Brand Name Gel Generic Capsules, Compared to Brand Name Gel vehicle With Generic Capsules in Subjects With Acne Vulgaris.
- 2003 A Phase 2, Randomized, Double Blind, Placebo-Controlled, Parallel Study of Single and Multiple Dose Regimes With Subcutaneous Study Medication in Subjects With Moderate to Severe Psoriasis.
- 2003 A Phase 3, Multicenter, Randomized, Double Blind, Placebo-Controlled Trial Evaluating the Efficacy and Safety of Brand Name Therapy Followed by Multiple Regimens of Brand Name Medication in Subjects with Plaque-Type Psoriasis.
- 2003 A Multiple Center, Randomized, Evaluator Blind Study of the Safety and Efficacy of a Brand Name Cream and Two Generic Creams Versus its Three Paired Active Ingredient Creams in the Treatment of Post-Inflammatory Hyper-Pigmentation.
- 2003 Randomized, double blind, parallel group, Multicenter, vehicle-controlled study of a generic cream once daily and twice daily in the treatment of plaque-type psoriasis.
- 2003 Multi-Center, Double-Blind, Placebo-Controlled, Dose-Escalation Study of the Efficacy and Safety of 3 Doses of Brand name Capsules in the Treatment of Plaque Psoriasis for 8 Weeks.
- 2003 A Phase 3, Randomized, double-Blind, Parallel Group, Multicenter, Efficacy and Safety Study of Study medication vs Vehicle for the Treatment of Onychomycosis
- 2003 A Multicenter, Open Label Study to Observe the Effect of Brand name medication on Joint and skin Disease in Subjects with Psoriatic Arthritis
- 2003 A Double-Blind, Randomized, Vehicle-Controlled, Multicenter Parallel Study to Assess the Efficacy and Safety of a combination Topical Gel Product in the Treatment of Moderate to Severe Seborrheic Dermatitis.
- 2003 A Randomized, Evaluator Blind, Vehicle Controlled, Parallel Group Dose Ranging Study of the Safety and Efficacy of Four Concentrations/Application Frequencies of Topical Cream Versus Its Vehicle in the Treatment of Plaque Psoriasis
- 2003 An Open-Label Study of the Safety and Efficacy of a Topical Patch in the Treatment of Distal Subungual Onychomycosis of the Toenails
- 2003 Evaluation of Systemic Exposure During Topical Patch Treatment in Subjects with Distal Subungual Onychomycosis
- 2003 A Multi-Center, Phase 3, Randomized, Double-Blind, 4 Arm Clinical Trial to Compare the Safety and Efficacy of Brand Name Gel in the Treatment of Acne

Clinical Research Trials, continued.

Vulgaris

- 2003 A Randomized, Evaluator Blind, Vehicle Controlled, Parallel Group Dose Ranging Study of the Safety and Efficacy of Four Concentrations/Application Frequencies of Topical Cream Versus Its Vehicle in the Treatment of Plaque Psoriasis
- 2003 A Randomized, Double Blind, Placebo Controlled, Parallel Group Study to Assess the Safety and Efficacy of Three Dose Levels of Oral Medication in the Treatment of Chronic Plaque Psoriasis
- 2002 A Multicenter, Randomized, Double-Blind, Double-Dummy Parallel Group Study to Assess the Efficacy, Safety and Tolerability of New Oral Formulation in Patients with Onychomycosis
- 2002 An Open Label Safety and Efficacy Study of Brand Name Drug To Assess Pigmentary Changes in Ethnic Groups of Asian, Latin/Hispanic and African American Descent with Skin Types II-IV
- 2002 A Phase 3, Vehicle Controlled Study of Topical Brand Name Gel Applied 3 Times per Week for 3 Weeks for Each Recurrence of Herpes Genitalis over 12 Months
- 2002 A Pilot Study to Evaluate Efficacy of 3 Different Nail Conditioners In Improving the Appearance of the Fingernail
- 2002 A Phase 3, Vehicle-controlled Study of Topical Brand Name Gel applied 2 times per Week for 2 Weeks for Each Recurrence of Anogenital Herpes over 12 months
- 2001-2002 A Vehicle-Controlled, Randomized, Double-Blind Multicenter Study of the Efficacy and Safety of Brand Name Shampoo in the Treatment of Seborrheic Dermatitis of the Scalp
- 2001-2002 A Randomized, Double-Blind, Placebo controlled Study of the Safety, Efficacy and Systemic Absorption of a Brand Name Topical Patch in the Treatment of distal Subungual Onychomycosis of the Great Toenail.
- 2001 A Double-Blind, Randomized, Parallel-Group, Placebo-Controlled, Multi-Center Study to Evaluate the Safety and Bioequivalence of Sponsors Generic Shampoo and Brand Name Shampoo in Subjects with Tinea Versicolor
- 2001 Vehicle-Controlled, Modified-Blind, dose-Escalating Study to Assess Safety and Efficacy of Topical Gel for the Treatment of Common Warts in Adults
- 2001 A 24-Week Controlled Clinical Study to Evaluate the Efficacy of Brand Name Gel Compared to Placebo Gel in the Treatment of Tinea Pedis
- 2001-2002 A Multi-Center, Phase 3 Double Blind Study of Photodynamic Therapy (PDT) with Brand Name Cream in Comparison to PDT with Placebo Cream in Patients with Primary Nodular Basal Cell Carcinoma



Clinical Research Trials, continued.

- 2001 A Multi-Center, Double-Blind, Randomized, Vehicle-Controlled, Parallel-Group Study to Determine the Therapeutic Equivalence of Two Cream Formulations in the Treatment of Rosacea
- 2001 A Multi-Center, Double-Blind, Randomized, Vehicle-Controlled, Parallel-Group Study to Determine the Therapeutic Equivalence of Two Topical Formulations in the Treatment of Interdigital Tinea Pedis
- 2001-2002 A Vehicle-Controlled, Double Blind Study to Assess the Safety and Efficacy of Topical Cream for the Treatment of Superficial Basal Cell Carcinoma
- 2000-2002 A Phase 3, Vehicle Controlled Study of Topical Gel Applied Two Times per Week for Three Weeks for Each Recurrence of Herpes Genitalis over 12 months (US)
- 2000-2001 A Double-Blind, Randomized, Placebo-Controlled, Multi-Center to Investigate the Efficacy and Safety of Brand Name Spray Powder in Subjects with Tinea Pedis (Interdigital Type)
- 2000-2001 Post Treatment Maintenance and Follow-Up of Previous Protocol Evaluating the Efficacy and Safety of Name Brand Nail Gel in the Treatment of Mild to Moderate Distal Subungual Onychomycosis
- 2000-2002 Long Term (12 month) Safety and Efficacy of Brand Name in the Treatment of Melasma of the Face
- 2000 Efficacy and Safety of Brand Name Topical Therapy for the Treatment of Patients with Cutaneous Melanosis of the Face
- 2000 Open-Label Study of Brand Name Topical Therapy Combined with Cryotherapy for the Treatment of Common Warts
- 2000-2001 A One-Year Follow-Up Study to Clinically Validate the Histologic Endpoint for Patients who have completed the Nodular Basal Cell Carcinoma Study
- 2000 A One-Year Follow-Up Study to Clinically Validate the Histologic Endpoint for Patients who have Completed the Superficial Basal Cell Carcinoma Study
- 2000 Assessment of Clinical Efficacy, Safety, and Tolerance of Brand Name Drug vs. Brand Name Drug for Treatment of Skin and Skin Structure Infections in Children 5-17 years of age
- 2000 An Open-Label Study to evaluate the Effect of a Single Course of Brand Name Therapy in Bone Mineral Density in Pediatric Patients with Severe, Recalcitrant, Nodular Acne
- 2000 A Randomized, Double-Blind, Placebo-controlled, Dose-comparison Study to Evaluate The Efficacy and Safety of Intramuscular Medication in subjects with chronic Plaque Psoriasis

Clinical Research Trials, continued.

- 2000 Multi-center, double-blind, Randomized, Vehicle-controlled, Parallel-Group Study, To Determine the Therapeutic Equivalence of Two Drug formulations in the Treatment of Tinea Pedis
- 2000 The Safety and Efficacy of Brand name lotion as compared to its Vehicle and Brand Name Emollient Cream in the Treatment of Moderate to Severe Plaque-Type Psoriasis
- 1999 A Randomized, Placebo Controlled, Multi-Dose, Double-Blind Study of the Efficacy of Terbinafine HCl Cream, 1% for the Prophylactic Treatment of Tinea Pedis
- 1999 A Multicenter, Double-Blind Study of Evaluate Drug and Placebo in the Treatment of Mild to Moderate Distal Subungual Onychomycosis of the Toenail
- 1999 A Randomized, Double-Blind, Placebo-Controlled Pilot to Evaluate the Safety and Efficacy of 56 Days of Drug for the Treatment of Papular-Pustular Rosacea
- 1998-1999 A Prospective, Open Label, Multi-Center, Evaluation of Short Duration Therapy with Drug in the Treatment of Diabetic Subjects with Tinea Cruris/Corporis
- 1998-1999 A Prospective, Open Label, Multi-Center, Evaluation of Short Duration Therapy with Drug in the Treatment of Diabetic Subjects with Tinea Pedis
- 1998-1999 A Prospective, Open Label, Multi-Center, Evaluation of Short Duration Therapy with Drug in the Treatment of HIV Subjects with Tinea Cruris/Corporis
- 1998-1999 A Prospective, Open Label, Multi-Center, Evaluation of Short Duration Therapy with Drug in the Treatment of HIV Subjects with Tinea Pedis
- 1998-1999 A Randomized, Multicenter, Placebo-Controlled, Double-Blind Study of Drug for Treatment of Tinea Pedis
- 1998-1999 Vehicle-Controlled Dose Ranging Study of Drug for the Treatment of Plantar Warts
- 1998-1999 Vehicle-Controlled Dose Ranging Study of Drug for the Treatment of Common Warts
- 1998-1999 A 12-Week Dose Optimization Trial Evaluating Drug and Vehicle for the Treatment of Nodular Basal Cell Carcinoma
- 1998-1999 A 12-Week Dose Optimization Trial Evaluating Drug and Vehicle for the Treatment of Superficial Basal Cell Carcinoma
- 1998-1999 An Evaluator-Blinded, Randomized Study to Evaluate the Efficacy and Safety of Study Drug versus Comparison Drug as Treatments for *Pediculus humanus* variant *capitus* Infestation
- 1998-1999 A Multicenter, Randomized, Double-Blind, Placebo Controlled Study to Evaluate the Efficacy of Drug for the Treatment of Moderate Acne
- 1997-1998 A Multi-Centered Controlled, Double-Blind, Comparative Study of the Safety and Efficacy of Test Drug Vs Name Brand Drug and their Vehicles

Clinical Research Trials, continued.

- 1997-1998 A Multicenter, Randomized, Double-Blind, Placebo Controlled Study to Evaluate the Efficacy of Drug for the Treatment of Moderate Acne
- 1997-1998 A Double-Blind, Placebo-Controlled, Dose-Ranging Clinical Evaluation of Study Drug and Approved Drug in Subjects with Male Pattern Baldness
- 1997-1998 A Multi-Centered Controlled, Double-Blind, Comparative Study of the Safety and Efficacy of Investigational Acne Drug Vs Brand Name Acne Drug and Their Vehicles
- 1997-1998 A Randomized, Double-Blind, 12-Week, Multi-Center Clinical Trial to Determine the Bioequivalence of Two Formulations of Drug and Placebo in the Treatment of Moderately Severe Acne Vulgaris
- 1997-1998 A Double-Blind, Randomized, Placebo-Controlled, Multicenter, Parallel Group Evaluation of the Efficacy and Safety of Drug 2% Cream in Patients with Interdigital Tinea Pedis
- 1997-1998 A Multicenter, Double-Blind Study to Evaluate the Safety and Efficacy of Drug in the Treatment of Tinea Pedis.
- 1996-1998 A Multicenter, Double-Blind Study to Evaluate 5% and 8% Drug Nail Product in the Treatment of Distal Subungual Onychomycosis of the Toenail.
- 1996-1997 A Multicenter, Double-Blind, Parallel-Group, Multiple oral Dose Study to Evaluate the Tolerability and Efficacy of Drug Versus Drug Versus Placebo in the Treatment of Patients With Moderate to Severe chronic Plaque-Type Psoriasis.
- 1996-1997 A Prospective, Multicenter, Open-Label Evaluation of 12 Weeks Therapy with Oral Drug in the Treatment of Onychomycosis of the Toenails in Diabetes Mellitus Patients with a Dermatophyte Infection.
- 1996-1997 A Double-Blind, Placebo-Controlled Study to Determine the Effect of Drug on Hair Growth in Men with Androgenetic Alopecia Using a Phototrichogram Technique.
- 1995-1996 A Multicenter, Randomized, Double-Blind, Parallel, Placebo-Controlled Study of 150, 300, 450 mg Weekly Doses of Drug in Patients with Distal Subungual Onychomycosis of the Toenail
- 1995-1996 A Multicenter, Randomized, Double-Blind, Parallel, Placebo-Controlled Study of 150, 300, 450 mg Weekly Doses of Drug in Patients with Distal Subungual Onychomycosis of the Fingernail
- 1995-1996 An Open-Label, Multicenter Trial to Evaluate the Safety and Effectiveness of Various Treatment Durations of Drug in Patients with Onychomycosis of the Toenails
- 1995-1996 A Double-Blind, Placebo-Controlled, Multicenter Study to Determine the Effect of Drug in Postmenopausal Women with Androgenetic Alopecia
- 1994-1996 A Double-Blind, Placebo-Controlled, Multicenter Study to Determine the Effect of

Clinical Research Trials, continued.

Drug on Hair Loss in Men with Androgenetic Alopecia

- 1993-1996 A Double-Blind, Placebo-Controlled, Multicenter Study to Determine the Effect of Low Doses of Drug on Hair Loss in Men with Androgenetic Alopecia
- 1992-1996 A Double-Blind, Randomized, Placebo-Controlled, Multicenter Study to Determine the Effect of Drug on Hair Loss in Male Patients with Androgenetic Alopecia
- 1992-1994 A Double-Blind, Randomized, Placebo Controlled, Multicenter Study to Determine the Safety of Topical Drug with Penetration Enhancer in the Treatment of Females with Androgenetic Alopecia

***Invited Lecturer Presentations:***

**Upcoming:**

- Maui Derm Fall Meeting, September 2016
- Winter Clinical, January 2017
- Generational Derm, February 2017
- International Congress of Dermatology, April 2017
- Summit on Nail Diseases, June 2017
- World Congress Pediatric Dermatology, July 2017

**Completed:**

- Maui Derm PA+ NP, June 14-17, 2016: Nailing the Diagnosis *and* "Nails: Diagnostic and Therapeutic Challenges.
- Aesthetic & Medical Dermatology Symposia, May 21-22, 2016: Hair & Nails- What's New.
- Tulane Dermatology All That Jazz Update, April 20-23, 2016: Update on Nail Psoriasis *and* Nails- What's New.
- AAD Annual Meeting, March 5-8, 2016: Nail Cosmetics: Best Practices for Safety *and* An Evidence-Based Approach to Nails: Expert Management of Common Problems *and* Nail Tumors: Benign and Malignant *and* Workshop: Hands-on: Nail Surgery.
- Generational Dermatology Symposium, February 12-15, 2016: Nail Disorders.
- Maui Derm Annual Meeting, January 24-28, 2016: Workshop: Nail Disorders: Diagnostic, Therapeutic, and Surgical Approaches to Nail Diseases.
- Winter Clinical, January 15-20, 2016: Nail Tips.
- Third International Summit for Nail Disease, New Delhi, India, November 11-22, 2015: Interesting Nail Cases from Across the Globe *and* Non-melanocytic melanonychia *and* Nail Cosmetics.
- Maui Derm NP+PA Fall Meeting, September 15-18, 2015: Nail Surgery Workshop *and* Nails: Diagnostic and Therapeutic Challenges.
- Colorado Dermatologic Society Annual Meeting, September 11, 2015: Nails: Diagnostic and Therapeutic Challenges.
- Maui Derm NP+PA Summer Meeting, June 24-26, 2015: Nail Surgery- video and discussion of nail biopsy *and* surgery techniques *and* Didactic nail workshop: Diseases and Tumors of the Nail (Masters Workshop) *and* Nails: Diagnostic and Therapeutic Challenges.
- World Congress of Dermatology, June 10, 2015: Workshop, Nail Surgery.
- Aesthetic + Medical Dermatology Symposia, May 15-16, 2015: Techniques for optimal skin cleansing *and* Rosacea management update *and* Update on nail disease and treatment *and* Update on hair disease and treatment.
- Dermatology Nurses Association Annual Meeting, April 25, 2015: Medical and Surgical Management of Nail Disorders.
- AAD Annual Meeting, March 21, 2015: Directing forum F079: Medical and Surgical Management of

Invited Lecturer Presentations, continued.

Nail Disorders.

Winter Skin Seminar, January 23-27, 2015: Nail Biopsies: When, Why, and How *and* Onychomycosis and Other Common Nail Problems.

Orlando Derm/Aesthetic Conference: January 17-18, 2015: Diagnosing and Treating Nail Disorders at Any Age *and* Therapeutic Advances in Fungal and Nail Infection Management.

Portland PA/NP: November 8, 2014: Nail It: Great Nail Cases.

Women's and Pediatrics Derm: October 10-11, 2014: Onychomycosis and Nail Disease *and* Pediatric Nail Abnormalities

Summer AAD: August 7, 2014: Update: Nail Surgery

Society for Pediatric Dermatology: July 11, 2014: Nail it! Pediatric Nail Cases

Maui Derm NP+PA Summer 2014: June 27, 2014: Nail Diagnostic and Therapeutic Challenges *and* Nail Disorders

Texas Dermatological Society Meeting: May 3, 2014: Medical and Surgical Management of Common and Challenging Nail Disorders *and* Nail Cases from the Pacific NW

Georgia Dermatology Physician Assistants: April 5, 2014: Dystrophic Nails: Evaluation and Management

Annual AAD meeting: March 21, 2014: Medical and Surgical Management of Nail Disorders *and* Evidence-Based Approach to Nails: Expert Management of Common Problems *and* Nailing Onychomycosis

Council for Nail Disorders: March 20, 2014: Brittle Nails

Hawaii Dermatology Seminar: February 16, 2014: Current and Emerging Options in the Treatment of Onychomycosis

Israeli Society of Dermato-Mycolological and Nail Disorders: December 18, 2013: What's New in Nail Cosmetics

North American Live Nail Surgery Course OHSU: September 6-7, 2013: Director of Course.

Summer AAD: August 4, 2013: Nail Surgery update; Medical and Surgical Management of Nail Disorders *and* Nail Cosmetics, New Variants; Update: Nail Cosmetics

Pacific Northwest Dermatological: July 12, 2013: Nails

Moroccan Society of Dermatology: April 5, 2013: Cosmetic care of the nail; News in nail lacquers *and* Psoriasis; Systemic treatment from old to biologics

Annual AAD: March 1-5, 2013: An Evidence-Based Approach to Nails: Expert Management of Common Problems *and* Dermatology Review: Nail Update *and* My Best Case *and* Course Director, Medical and Surgical Management of Nail Disorders *and* Nail Therapeutics.

Winter Clinical: January 23, 2013: Pearls in the Treatment of Nail Disease

Netherlands Nail Symposium: November 30, 2012: Evaluation and Treatment of Psoriatic Nail Disease

Family Medicine OHSU Residents: November 21, 2012.

PA Derm Conference: November 1, 2012: Update on Nails *and* Interesting Nail Cases.

EADV, Prague: September 26, 2012: Nail Tips

Summer AAD: August 17, 2012: Update on Nail Psoriasis *and* Forum Director: Nail Surgery

Wisconsin Dermatology Society: July 22, 2012: Nail Surgery: Practical Tips *and* Clinical Aspects of Nail Disease

3rd World Psoriasis & Psoriatic Arthritis Conference: June 30, 2012: Evaluation and Treatment of Psoriatic Nail Disease

AAAD Annual Meeting: March 16, 2012: Psoriasis: Biologics/NAPSI *and* Director: Dermatology Review *and* Questions and Answers, Forum for An Evidence-Based Approach to Nails: Expert Management of Common Problems

Maui Derm: February 5, 2012: 20 Nails in 30 Minutes: Your Diagnostic and Therapeutic Acumen Will Be Challenged.

ASDS: November 4, 2011: Surgery of the Nail: Hammering Down your Technique

Fall Clinical Dermatology Conference: October 30, 2011: Managing the Nail Patient

PDA: August 11, 2011: Top 10 Nail Tips.

Invited Lecturer Presentations, continued.

Summer AAD Meeting: August 4, 2011: Director, Nails Forum

World Congress of Dermatology: May 29, 2011: Director of Nail Surgery Workshop

Dermatology Nurse's Association: March 18, 2011: 10 Nail Tips Not to Gloss Over.

AAD Annual Meeting: February 7, 2011: Director: Dermatology Review *and* Symposium Director, Nails.

Winter Clinical: January 19, 2011: Great Nail Cases

AAD Annual Meeting: March 5, 2010: New Treatments for Nail Psoriasis *and* Forum: Fungal Infections  
*and* Forum: Clinical Mycology

DF Clinical Symposia: 2008: The Surgical Approach to Nail Disorders

World Congress of Dermatology: 2007: Update on Nail Cosmetics

California Dermatology Annual Meeting: 2007: Five Nail Tips Not to Gloss Over

AAD Annual Meeting: 2007: Nail Surgery, Nail Symposia

Pacific Northwest Dermatology: 2006: Nail Review