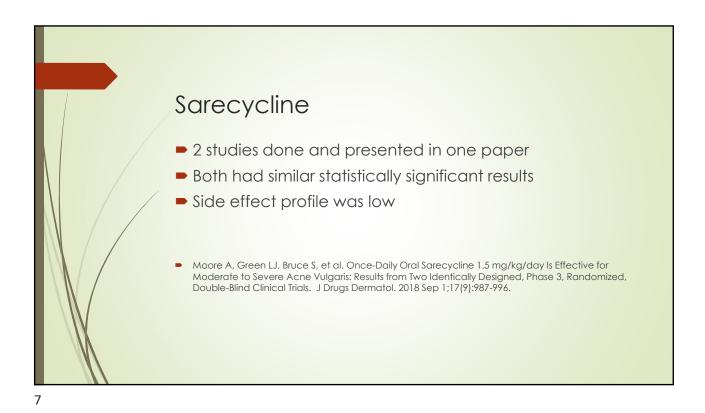




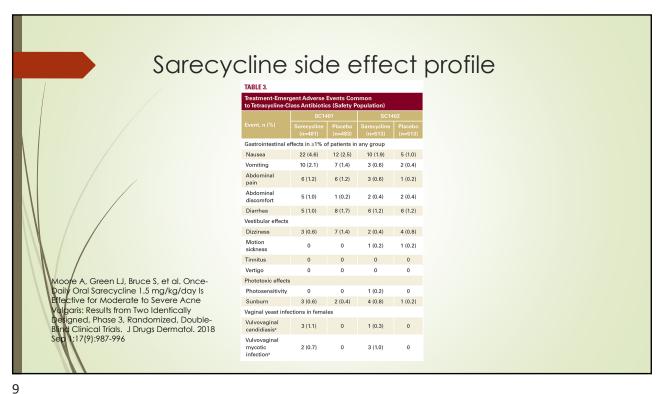


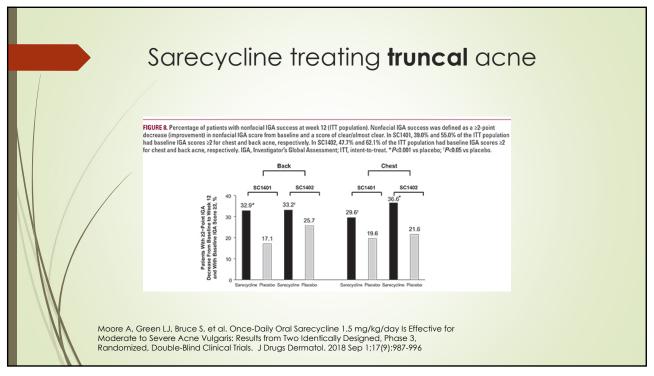
Sarecycline

Initial studies from age 9-45 years of age
Lesions
20-50 inflammatory
Anoninflammatory
Individual Services of 3 (moderate) or 4 (severe)











New retinoid — Trifarotene Trifarotene .0005% cream Trifarotene 50 µg/g cream is for the treatment of moderate acne on the face and trunk. Approved from age 9 years and up Tan J, Thiboutot D, Popp G, Gooderham M, Lynde C, Del Rosso J, Weiss J, Blume-Peytavi U, Weglovska J, Johnson S, Parish L. Witkowska D, Sanchez Colon N, Alió Saenz A, Ahrnad F, Graeber M, Stein Gold L. Randomized phase 3 evaluation of trifarotene 50 mug/g cream treatment of moderate facial and truncal acne. J Am Acad Dermatol. 2019 Jun;80(6):1691-1699.

New retinoid – Trifarotene Trifarotene .0005% cream The onset of effect was rapid versus vehicle: significant reductions in both inflammatory and noninflammatory lesion counts seen as early as 1 week after treatment on the face as early as 2 weeks after treatment on the trunk Side effect profile was mostly mild to moderate when applied not only to the face but the trunk which is a large surface area. skin dryness, erythema, scaling, stinging, and burning Tan J. Thiboulet D. Papp G. Goodetham M. Lynde C. Del Rosso J. Weiss J. Blume-Peytaw U. Weglovska J. Johnson S. Parish L. Wilkowska D. Sanchez Coden N. Ad Scanz A. Ahmad F. Graeber M. Den Godd L. Kondombed phase 3 evaluation of trifaratene 30 muglig cream freatment of moderate faced and Nurced General A. 2019 AutoSkilly 1801-1807.

Trifarotene treatment responses

FIRECT 1

FIRECT 1

FIRECT 1

FIRECT 2

FIRECT 2

FIRECT 2

FIRECT 2

FIRECT 2

FIRECT 3

FIRECT 2

FIRECT 3

FIR

14

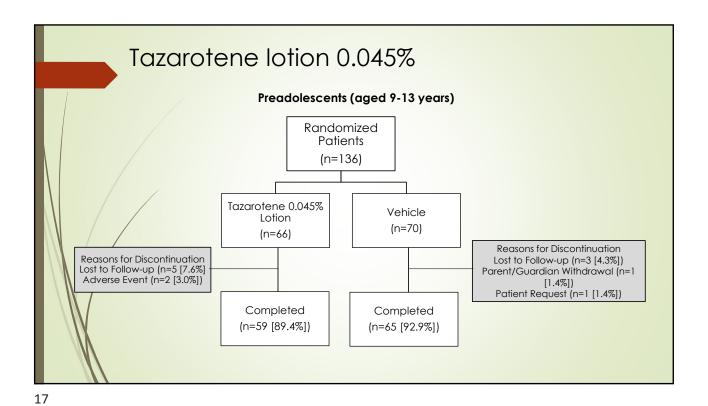
New Retinoid formulations.... old retinoid Tazarotene 0.045% lotion with polymeric emulsion technology Tretinoin 0.05% lotion with polymeric emulsions technology

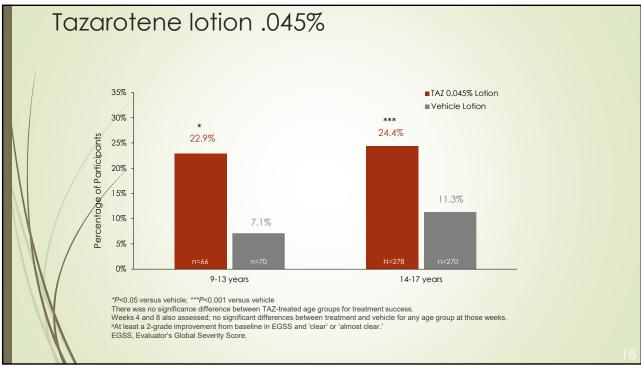
Tazarotene 0.045% lotion with polymeric emulsion technology

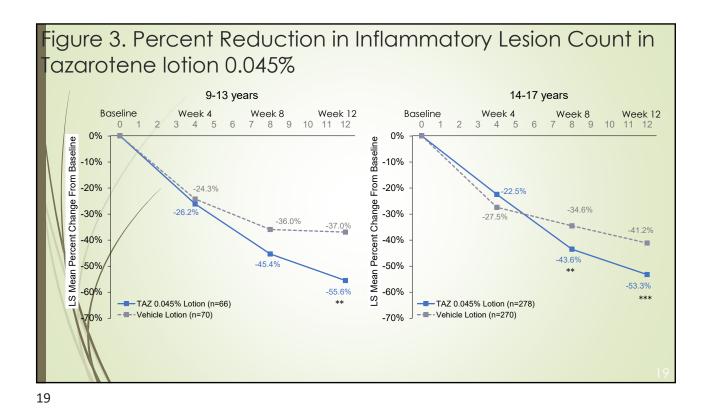
Similar efficacies with respect to inflammatory and noninflammatory lesions in moderate to severe acne

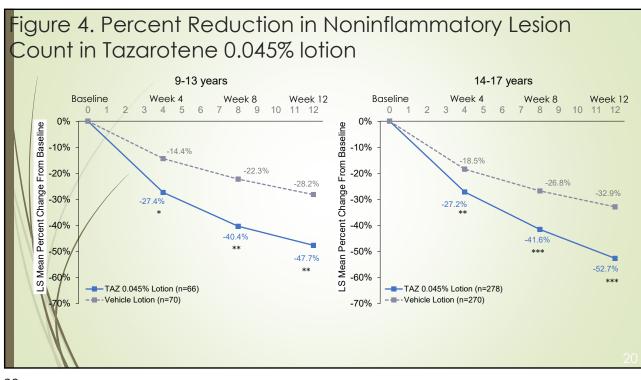
Take home: As effective as the Tazarotene 0.1% cream but with less adverse effects

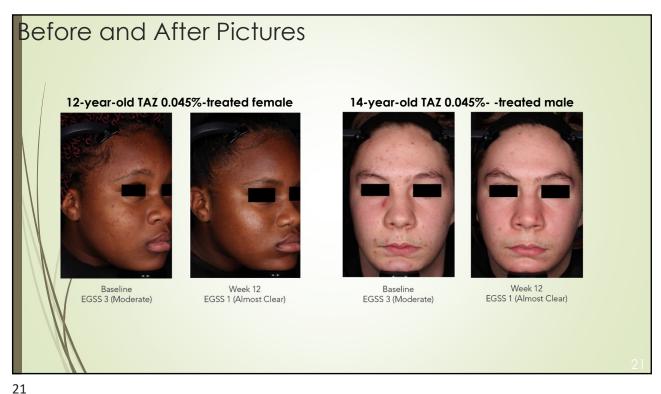
Tanghetti EA, Kircik LH, Green LJ, Guenin E, Harris S, Martin G, Pillai R, A Phase 2, Multicenter, Double-Blind, Randomized, Vehicle-Controlled Clinical Study to Compare the Safety and Efficacy of a Novel Tazarotene 0.045% Lotion and Tazarotene 0.1% Cream in the Treatment of Moderate-to-Severe Acne Vulgaris. J Drugs Dermatol. 2019 Jun 1:18(6):542.

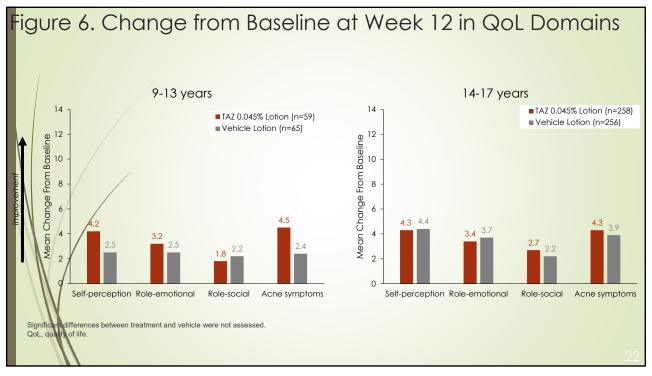


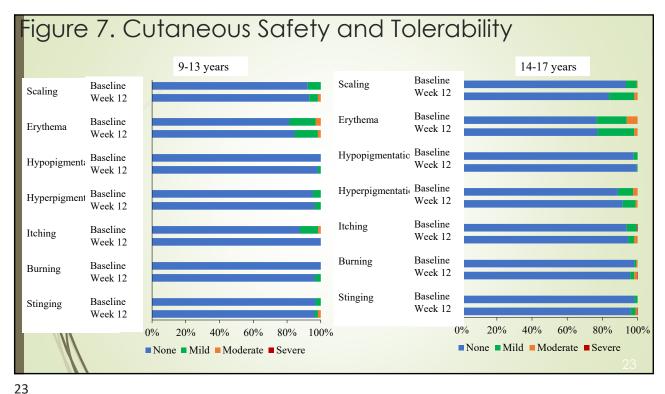


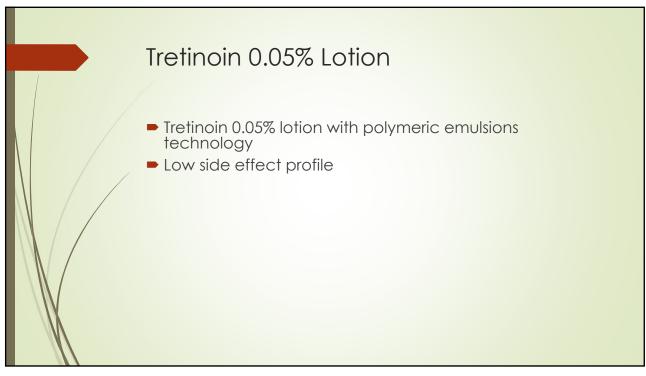












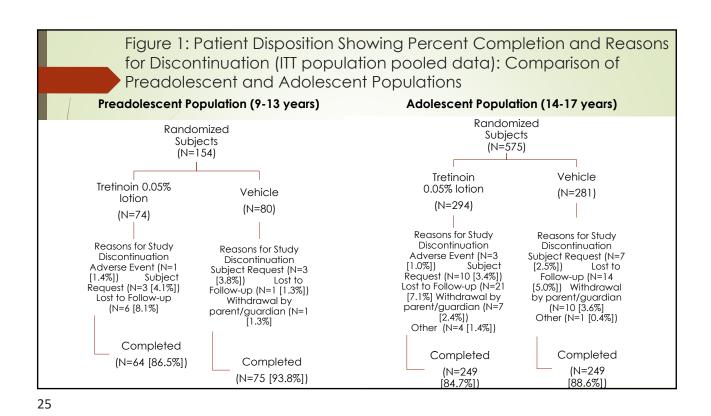


	Table 1: Demogr population, poo	•		line Cha	ıracteristi	cs (ITT ac	dolescent
		Pooled data preadolescent population			Pooled data adolescent population		
		Tretinoin 0.05% (N=74)	Vehicle (N=80)	Total (N=154)	Tretinoin 0.05% (N=294)	Vehicle (N=281)	Total (N=154)
	Age- Mean years (SD)	12.4 (0.97)	12.4 (0.92)	12.4 (0.94)	15.6 (1.08)	15.6 (1.07)	15.6 (1.08)
	Range	9-13	9-13	9-13	14-17	14-17	14-17
	Sex N (%) Male Female	31 (41.9%) 43 (58.1%)	32 (40.0%) 48 (60.0%)	63 (40.9%) 91 (59.1%)	192 (65.3%) 102 (34.7%)	172 (61.2%) 109 (38.8%)	364 (63.3%) 211 (36.7%)
	Ethnicity N (%) Hispanic or Latino Not Hispanic or Latino	17 (23.0%) 57 (77.0%)	24 (30.0%) 56 (70.0%)	41 (26.6%) 113 (73.4%)	114 (38.8%) 180 (61.2%)	118 (42.0%) 163 (58.0%)	232 (40.3%) 343 (59.7%)
	Race N (%) American Indian or Alaska Native Asian Black or African American Native Hawaiian or Other Pacific Islander Caucasian Other	0 (0.0%) 3 (4.1%) 14 (18.9%) 0 (0.0%) 55 (74.3%) 2 (2.7%)	0 (0.0%) 2 (2.5%) 15 (18.8%) 2 (2.5%) 60 (75.0%) 1 (1.3%)	0 (0.0%) 5 (3.2%) 29 (18.8%) 2 (1.3%) 115 (74.7%) 3 (1.9%)	1 (0.3%) 15 (5.1%) 39 (13.3%) 1 (0.3%) 229 (77.9%) 9 (3.1%)	0 (0.0%) 8 (2.8%) 35 (12.5%) 1 (0.4%) 229 (81.5%) 8 (2.8%)	1 (0.2%) 23 (4.0%) 74 (12.9%) 2 (0.3%) 458 (79.7%) 17 (3.0%)
	Evaluator's Global Severity Score N (%) 3 – Moderate 4 - Severe	72 (97.3%) 2 (2.7%)	73 (91.3%) 7 (8.8%)	145 (94.2%) 9 (5.8%)	263 (89.5%) 31 (10.5%)	247 (87.9%) 34 (12.1%)	510 (88.7%) 65 (11.3%)
	Inflammatory Lesion Count- Mean (SD)	26.2 (5.50)	27.2 (6.49)	26.7 (6.04)	27.0 (5.76)	26.9 (5.91)	27.0 (5.83)
	Noninflammatory Lesion Count- Mean (SD)	48.3 (22.01)	52.1 (21.78)	50.3 (21.90)	45.8 (20.00)	47.2 (20.36)	46.5 (20.17)

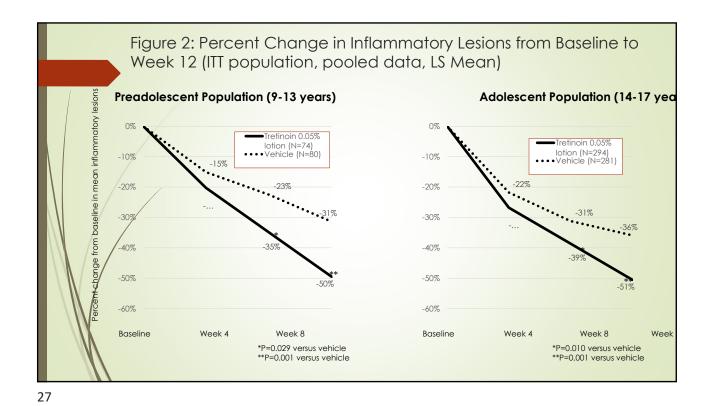


Figure 3: Percent Change in Noninflammatory Lesions from Baseline to Week 12 (ITT population pooled data, LS Mean) Percent change from baseline in mean noninflammatory lesions **Preadolescent Population (9-13 years)** Adolescent Population (14-17 years) -10% -10% -15% -15% -20% -20% -25% -25% -30% 35% -35% -40% Tretinoin 0.05% lotion (N=74) Tretinoin 0.05% lotion (N=294) -40% -45% -44%** • • • • Vehicle (N=80) • • • • Vehicle (N=281) -50% -45% Baseline Week 4 Week 8 Week 12 Baseline Week 4 Week 8 Weel *P=0.012 versus vehicle *P=0.05 versus vehicle
**P<0.001 versus vehicle **P=0.001 versus vehicle

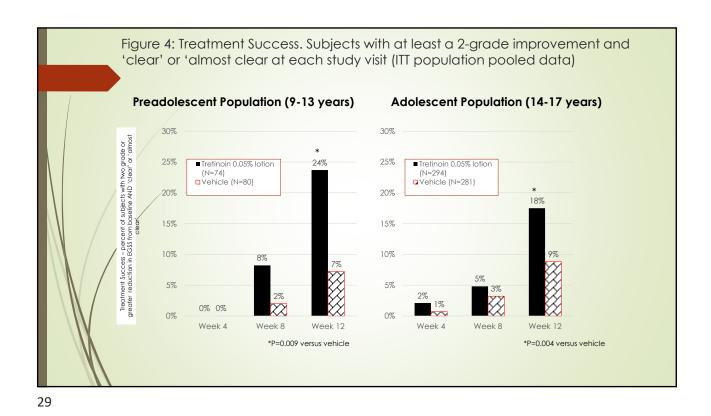
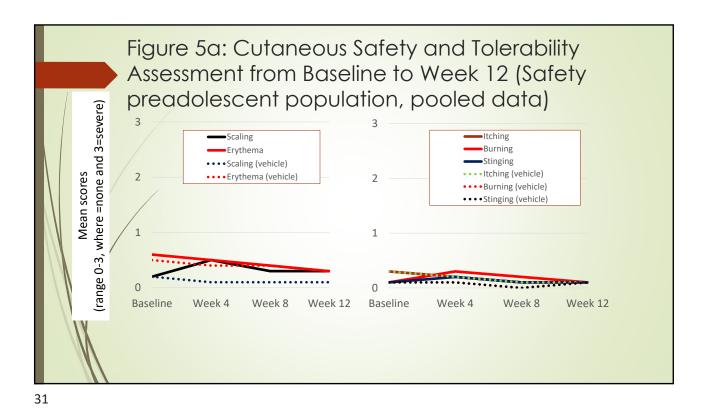
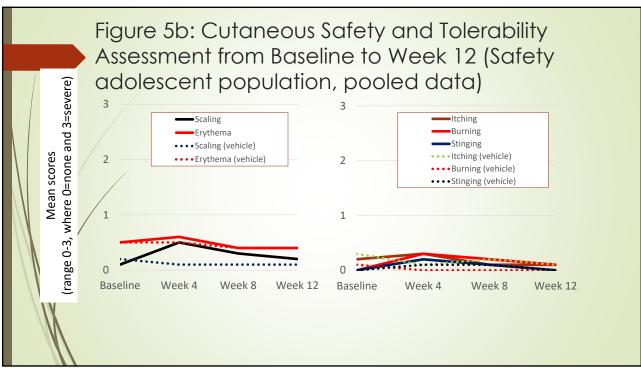


Table 2: Treatment-Emergent and Related Adverse Event (AE) Characteristics through Week 12 (Safety population, pooled data) **Preadolescent Population Adolescent Population** Tretinoin 0.05% Lotion Vehicle Lotion Tretinoin 0.05% Lotion Vehicle Lotion (N=72)(N=78) (N=281)(N=274) Subjects reporting any TEAE 22 (30.6%) 18 (23.1%) 69 (24.6%) 46 (16.8%) Subjects reporting any SAE 0 (0.0%) 0 (0.0%) 2 (0.7%) 0 (0.0%) 0 (0.0%) Subjects who died 0 (0.0%) 0 (0.0%) 0 (0.0%) Subjects who discontinued due to TEAE 1 (1.4%) 0 (0.0%) 4 (1.4%) 0 (0.0%) Severity of AEs reported Mild 11 (15.3%) 11 (14.1%) 35 (12.5%) 25 (9.1%) Moderate 11 (15.3%) 4 (5.1%) 30 (10.7%) 21 (7.7%) 0 (0.0%) 0 (0.0%) Severe 3 (3.8%) 4 (1.4%) Relationship to study drug Related 7 (9.7%) 1 (1.3%) 22 (7.8%) 2 (0.7%) 15 (20.8%) 17 (21.8%) 47 (16.7%) 44 (16.1%) Treatment Related AEs reported by ≥1% subjects Application site pain 4 (5.6%) 0 (0.0%) 9 (3.2%) 1 (0.4%) 2 (2.8%) 0 (0.0%) 10 (3.6%) 0 (0.0%) Application site dryness Application site erythemo 0 (0.0%) 0 (0.0%) 5 (1.8%) 1 (1.3%) 0 (0.0%) Application site exfoliation 1(1.4%) 1 (1.3%) 1 (0.4%) Application site pruritus 1 (1.4%) 0 (0.0%) 1 (0.4%) 0 (0.0%) Application site irritation 1 (1.4%) 0 (0.0%) 2 (0.7%) 1 (0.4%)





Tretinoin 0.05% Lotion Hispanics Asian Showed it worked well in specific populations Cook-Bolden FE, Weinkle SH, Guenin E, Bhatt V. Novel Tretinoin 0.05% Lotion for Once-Daily Treatment of Moderate-to-Severe Acne Vulgaris in a Hispanic Population. J Drugs Dermatol. 2019 Jan 1;18(1):32-38 Han G, Armstrong AW, Desai SR, Guenin E. Novel Tretinoin 0.05% Lotion for the Once-Daily Treatment of Moderate-to-Severe Acne Vulgaris in an Asian Population. J Drugs Dermatol. 2019 Sep 1;18(9):910-916

Minocycline foam 4%

Once daily minocycline foam 4%

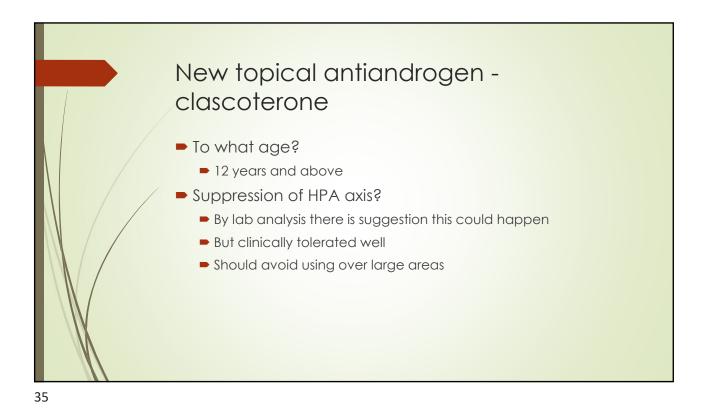
Minimal systemic minocycline exposure

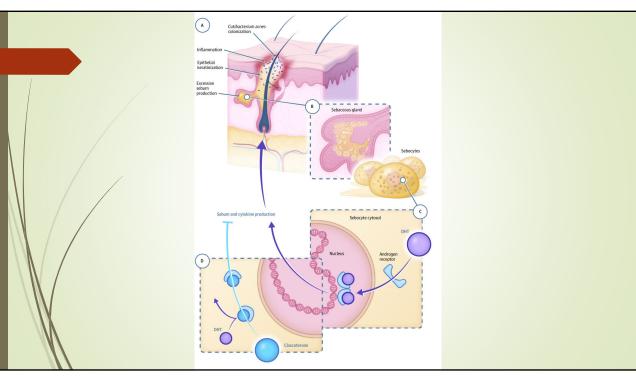
730 to 765 times LOWER that what is seen in oral minocycline 1

Approved for ages 9 and up

Watch the foam can be flammable

Jones, MT. Eliman H. DeVries T., Pharmacokinetic comparison of once-daily topical minocycyline foam 4% vs oral minocycline for moderate to severe acne. J Drugs Dermatol 2017;16(10):1022.





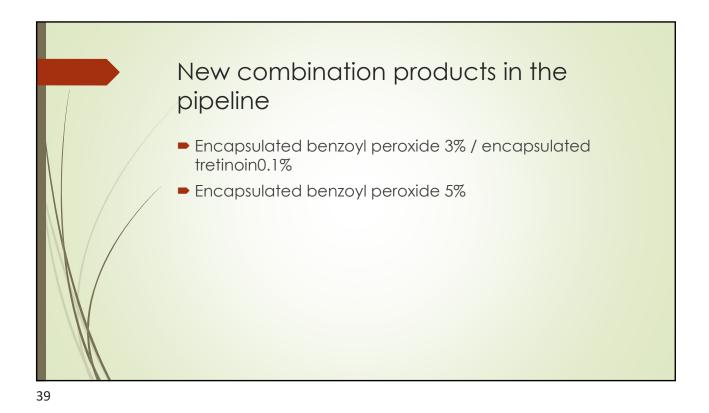
Clascoterone Efficacy in 2 Phase 3 trials

- Both trials met the primary efficacy end points.
- Considerably more patients receiving clascoterone cream, 1%, vs vehicle achieved treatment success at week 12
- Clascoterone 18.4% (patients improved) vs Placebo 9.0%
- Clascoterone 20.3% vs Placebo 6.5%
- The absolute change from baseline in NILC and ILC at week 12 were also substantially greater with use of clascoterone cream, 1% vs vehicle.
- Hebert A, Thiboutot D, Stein Gold L, Cartwright M, Gerloni M, Fragasso E, Mazzetti A. Efficacy and Safety of Topical Clascoterone Cream, 1%, for Treatment in Patients With Facial Acne: Two Phase 3 Randomized Clinical Trials. JAMA Dermatol. 2020 Jun 1;156(6):621-630.

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Clascoterone cream

- No systemic adverse effects were observed, which is consistent with the results of in vivo studies showing clascoterone has only local, not systemic, antiandrogenic activity.
- Side effect profile similar to placebo
- Hebert A, Thiboutot D, Stein Gold L, Cartwright M, Gerloni M, Fragasso E, Mazzetti A. Efficacy and Safety of Topical Clascoterone Cream, 1%, for Treatment in Patients With Facial Acne: Two Phase 3 Randomized Clinical Trials. JAMA Dermatol. 2020 Jun 1;156(6):621-630.



Remember the oldies but goodies, especially washes as these are easy to use.

Benzoyl Peroxide
Glycolic Acid
Salicylic Acid

