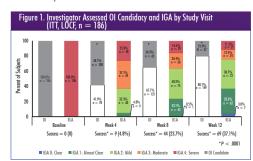
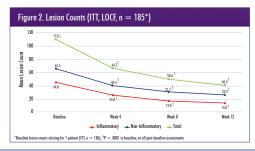
EFFICACY AND SAFETY OF ADAPALENE 0.3% / BENZOYL PEROXIDE 2.5% GEL PLUS DOXYCYCLINE IN SUBJECTS WITH SEVERE INFLAMMATORY ACNE (NON-NODULOCYSTIC) THAT ARE CANDIDATES FOR ORAL ISOTRETINOIN

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INTRODUCTION

- Acne vulgaris (AV) is the 8th most prevalent disease worldwide
- AV affects an estimated 85% of individuals between 12 and 24 years of age1.2
- Prompt and effective treatment is needed to prevent long term consequences, such as scarring • Oral isotretinoin (OI) is considered an effective treatment for many severe AV patients;
- OI has known and serious side effects
- Treatment cannot always be initiated immediately
- Isotretinoin is a potent teratogen, and exposure should be avoided by women who are or may become pregnant
- · Current acne treatment guidelines for first-line treatment of severe acne suggest using OI or a topical therapy combined with oral antibiotics³
 - Adapalene 0.3%/benzoyl peroxide 2.5% (A/BPO 0.3%/2.5%) gel is approved for the treatment of AV
 - A/BPO 0.3%/2.5% gel attacks 3 of the 4 major pathogenic factors of AV
 - A/BPO 0.3%/2.5% gel has strong clinical efficacy and excellent safety and tolerability in subjects with moderate to severe AV





SUBJECTS and METHODS

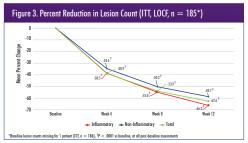
- Open label, single arm, 12-week, multicenter study of A/BPO 0.3%/2.5% gel + DOX[†] 200 mg . Twenty-three sites enrolled males and females, 12 years of age or older, with a clinical diagnosis
- of severe inflammatory acne (Investigator's Global Assessment [IGA] score = 4) who had never received OI, and, in the opinion of the investigator, were candidates for OI
- Subjects had ≤ 4 nodules/cysts > 1 cm in diameter on the face Subjects were excluded if they had nodulocystic or conglobate acne, acne fulminans, or
- secondary acne (eg. chloracné, drua-inducéd acne)
- - Topical A/BPO 0.3%/2.5% gel, once daily for 12 weeks
- DOX 200 mg (2x 50 mg tablets, Mayne, DORYX), twice daily (morning and evening) for 12
- Cetaphil® Gentle Cleanser* (or equivalent), twice daily

Figure 5. Representative Subject Photographs

Baseline

Subject 147-003: 18 Year Old Male

Cetaphil® Daily Facial Moisturizer SPF 15* (or equivalent), at least once daily and re-apply



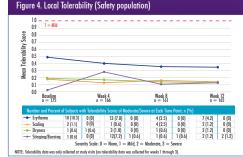
I/N 6/33, IGA 1, N

Week 12

Endpoints and Assessments:

- Reduction and percent reduction in lesions at Weeks 4, 8, and 12
- IGA (IGA, 0 4 scale): Success (subjects rated IGA 0 or 1) at weeks 0, 4, 8, and 12
- Number and percent of subjects who, in the opinion of the investigator, are candidates for oral isotretinoin at Weeks 0, 4, 8, and 12
- Investigator evaluation of each subject's candidacy to OI was performed independently at each visit without consideration of previous visits
- Photographs were taken of all subjects enrolled in the study at all study visits - Incidence of adverse events (AEs) and local tolerability (0 [none] - 3 [severe] scale)

*Cetaphil® Gentle Cleanser and Cetaphil® Daily Facial Moisturizer SPF 15 are manufactured by Galderma Laboratories, L.P. DOX = doxycycline 200 mg (2x 50 mg tablets, Mayne, DORYX)



I/N - 60/120, IGA - 4, Y

175	n =	n = 166		n = 161		n = 165		- The most common treatment related AEs were skin burning sensation (n = 6, [3.4%])	١
Percent of Subjects with Tolerability Scores of Moderate/Severe at Each Time Point, n (%)								and erythema ($n = 5$, [2.9%])	
	18 (10.3) 0 (0)	13 (7.8)	0 (0)	4 (2.5)	0 (0)	7 (4.2)	0 (0)		
	2 (1.1) 0 (0)	1 (0.6)	0 (0)	4 (2.5)	0 (0)	2 (1.2)	0 (0)	611111511	
	1 (0 6) 1 (0 6)	3 (1.8)	0 (0)	1 (0.6)	0 (0)	2 (1.2)	0 (0)	SIIMMARY	

Subject 108-028, 14 Year Old Male

Week 12

RESULTS

. The study enrolled 186 subjects

Male (n = 78) and female (n = 97)

Baseline lesion counts; Mean (SD)

• IGA success rate (clear and almost clear: Figure 1)

baseline, all study visits: Figure 2)

baseline, all study visits: Figure 3)

baseline (P < .0001)

(P < 0001)

175 subjects received at least one dose of the study treatment

Most subjects were white (79%) and not Hispanic or Latino (81%)

• 75.8% of subjects were rated IGA 2 (mild) or better by week 12 (Figure 1)

- A/BPO 0.3% was well tolerated and most AEs were mild (Figure 4) The number of subjects experiencing any treatment emergent AE was 46 (26.3%) The number of subjects with any treatment related AE was 27 (15.4%)

Subjects who were NOT considered candidates for OI by the investigator (Figure 1)

41.9% after 4 weeks; 65.1% after 8 weeks; 80.1% (149/186) after 12 weeks

• Mean number of lesions: Significantly reduced compared with baseline (P < .0001 vs

ullet Percent lesion reduction: Significant reduction compared with baseline (P < .0001 vs

At week 12 the total mean reduction in lesions was -26.2 lesions compared with baseline

At week 12 the total mean percent reduction in lesions was -62.6% compared with

Inflammatory = 44.8 (21.7); Non-inflammatory = 65.3 (39.4); Total = 110.1 (49.4)

Mean age = $19.6 \pm 7.3 (56\% \le 17 \text{ years of age})$

- 4.8% at week 4: 23.7% at week 8: 37.1% at week 12

- This study observed that 12 weeks of A/BPO 0.3%/2.5% gel plus DOX 200 mg was an effective, safe, and well tolerated therapy for subjects with severe AV (non-nodulocystic, non-conglobate)
- Mean lesion count reduction and mean percent reduction in lesions were significant compared with baseline (P < .0001 vs baseline, all study visits)
- 37.1% of subjects received an IGA of clear or almost clear (IGA success) at week 12
- Most subjects (80.1%) were no longer assessed as candidates for OI by the investigators after 12-weeks of A/BPO 0.3%/2.5% ael plus DOX 200 ma treatment ■ Twelve weeks of A/BPO 0.3%/2.5% gel plus DOX 200 mg is an effective and safe
- For subjects with severe AV (non-nodulocystic, non-conglobate) who are also
- For subjects who must wait before starting oral isotretinoin
- As an alternative option for those unwilling to use oral isotretinoin
- For those unable to use oral isotretinoin due to contraindications

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 2. Spa 2016;30(5):1480-1490.

 3. Spa 2016;3

Week 12 Y = Investigator Opinion: This subject is a condidate for oral isotretinain N = Investigator Opinion: This subject is not a condidate for oral isotre

Subject 108-026: 19 Year Old Female

I/N - 61/64, IGA - 4, Y

Baseline