OUR SKIN TELLS A STORY





Jefferies Virtual Healthcare Conference June 1-4, 2021

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Cassiopea Overview

- Publicly traded on SIX Cosmo Pharma holds 46.6%
- Innovative late stage pipeline of 4 dermatology NCE products
- Winlevi (clascoterone cream) 1% First in Class¹ Topical Androgen Receptor (AR) Inhibitor Targeting Acne - Approved by the FDA as a novel drug¹- August 26, 2020

NCE: new chemical entity

Source: 1. US FDA. https://www.fda.gov/drugs/new-drugs-fda-cders-new-molecular-entities-and-new-therapeutic-biological-products/novel-drug-approvals-2020



Cassiopea Pipeline

PRODUCT	PROPOSED INDICATION					
WINLEVI® (clascoterone cream 1%) Androgen receptor inhibitor	Acne Vulgaris	PRECLINICAL	PHASE I	PHASE II	PHASE III	APPROVAL
Clascoterone solution Androgen receptor inhibitor	Androgenetic alopecia in males	PRECLINICAL	PHASE I	PHASE II	PHASE III	APPROVAL
Clascoterone solution Androgen receptor inhibitor	Androgenetic alopecia in females	PRECLINICAL	PHASE I	PHASE II	PHASE III	APPROVAL
CB-06-01 Antibiotic	Acne	PRECLINICAL	PHASE I	PHASE II	PHASE III	APPROVAL
CB-06-02 Immune modulator	Genital warts	PRECLINICAL	PHASE I	PHASE II	PHASE III	APPROVAL



Agenda

- Winlevi (clascoterone cream) 1%
- Commercial Update
- Clascoterone Solution Update







Acne is the most prevalent skin condition in the U.S...yet the last new mechanism of action approved by the FDA was almost **40** years ago^{1,2}

50

Million sufferers in US³ \$5

Billion US market⁴ 24

Million prescriptions⁴

70%

Total Prescriptions written in the Dermatology Office⁴





Winlevi (clascoterone) cream 1% Approval Marks the Introduction of a New Class of Topical Therapy to Dermatology^{1,2}

First in Class Topical Androgen Receptor Inhibitor¹



Approved for the topical treatment of acne in patients 12 years of age and older²

Tackles the androgen hormone component of acne in both males & females^{2,3}

The most frequent observed local skin reaction was mild erythema^{1,3}

^{1.} US FDA. https://www.fda.gov/drugs/new-drugs-fda-cders-new-molecular-entities-and-new-therapeutic-biological-products/novel-drug-approvals-2020 2. Winlevi Prescribing Information - https://www.winlevi.com/assets/WINLEVI- 2020. https://www.fda.gov/drugs/drug-approvals-and-databases/drug-trial-snapshot-winlevi

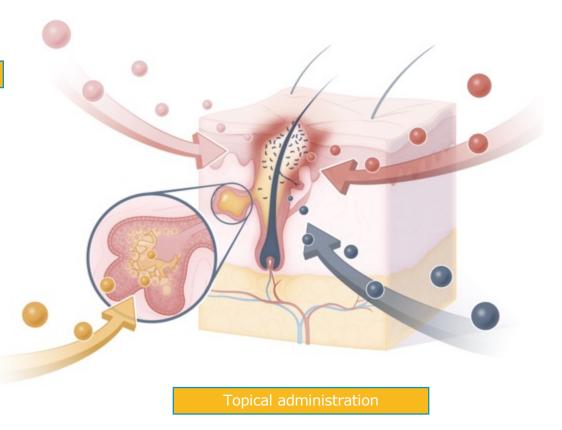
Approval of Winlevi[®] (clascoterone) cream 1% Fills a Long-Standing Gap in Topical Acne Therapy^{1,2} Multi-factorial disease results in a complementary approach to treat acne

Drugs that normalize follicular keratinization

Retinoids

Drugs that inhibit sebaceous gland function

Topical Androgen Receptor Inhibitor



Drugs with antiinflammatory effects

Retinoids

Antibiotics

Benzoyl peroxide

Drugs with antibacterial effects

Benzoyl peroxide

Antibiotics

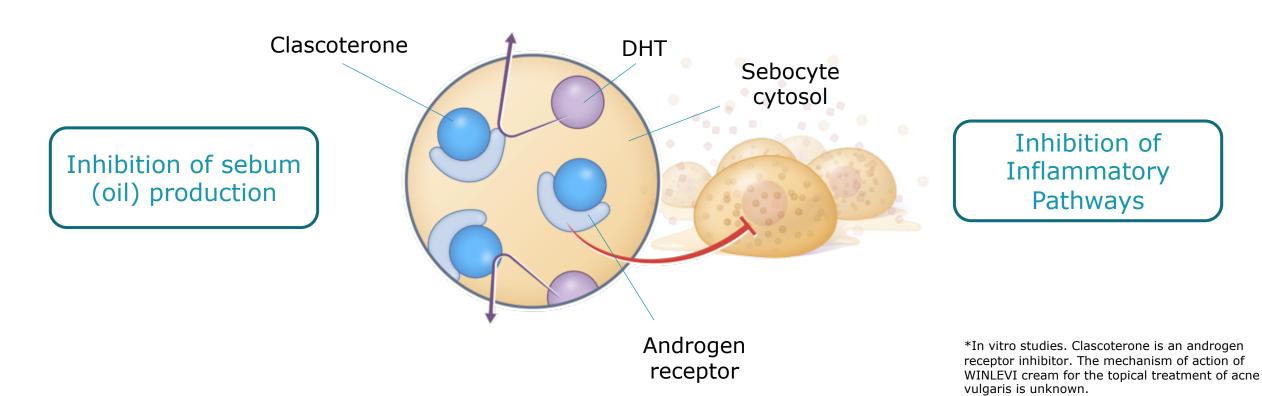
Local irritation is the most common adverse effect associated with Winlevi therapy. See Important Safety Information and accompanying Full Prescribing Information.



Source: 1. Zaenglein AL et al. J Am Acad Dermatol 2016;5:945-73. 2. Del Rosso JQ et al. J Drugs Dermatol. 2020;19(3 Suppl 1):s30-35

Clascoterone is an androgen receptor inhibitor: In Vitro Activity

Clascoterone competes with DHT for binding to the androgen receptor^{1,2*}



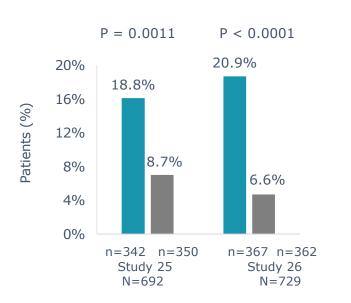
Source: 1. Ferraboschi P et al. Med Chem Commun 2014;5:904-14; 2. Rosette C, et al. J Drugs Dermatol. 2019; 18(5):412-418. https://www.ncbi.nlm.nih.gov/pubmed/31141847



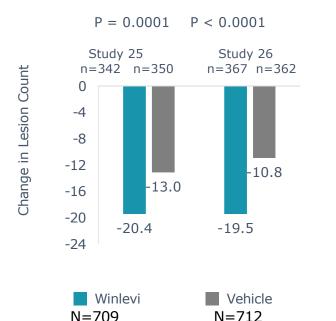
Two Pivotal Phase III Trials, WINLEVI (clascoterone) Cream, 1% Demonstrated Statistically Significant Efficacy vs. Vehicle—IGA Success and Absolute Reduction in Lesion Count^{1,2} Age 12 and older

EFFICACY (CO-PRIMARY ENDPOINTS) ITT (WEEK 12)

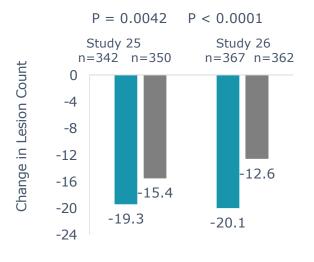
2 Point Reduction in IGA & IGA score of 0 (clear) or 1 (almost clear)



Absolute change from baseline in non-inflammatory lesion count



Absolute change from baseline in inflammatory lesion count



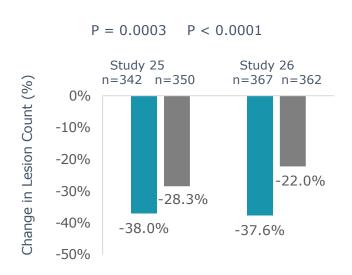


^{1.} Hebert A, et al. JAMA Dermatol. JAMA Dermatol. 2020;156(6):621-630 . doi:10.1001/jamadermatol.2020.0465. 2. Winlevi ® [Package Insert]. Cassiopea 2020. Statistical significance if P <0.05 significance level α=0.05

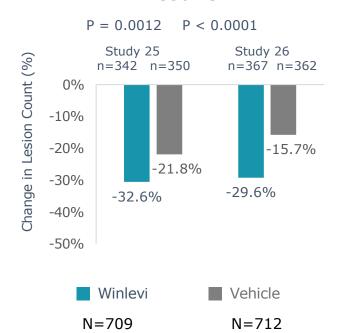
In Two Pivotal Phase III Trials, WINLEVI (clascoterone) Cream, 1% Demonstrated Statistically Significant Efficacy vs. Vehicle - Percent Reduction in Lesions^{1,2} Age 12 and older

EFFICACY (SECONDARY ENDPOINTS) ITT (WEEK 12)

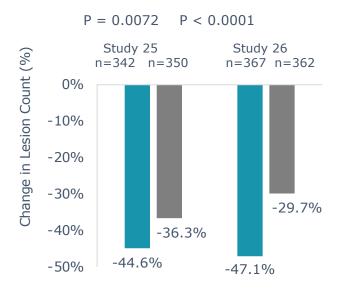
Percent reduction from baseline in total lesion count



Percent reduction from baseline in non-inflammatory lesion count



Percent reduction from baseline in inflammatory lesion count

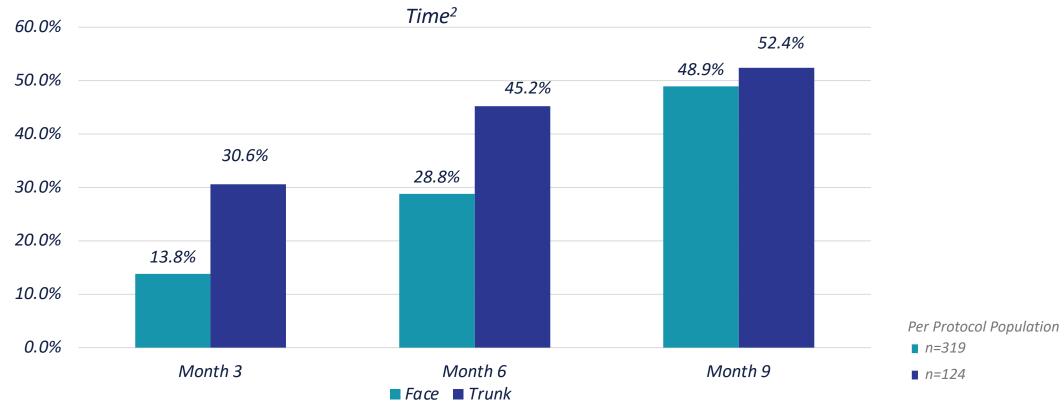




^{1.} Hebert A, et al. JAMA Dermatol. Published online April 22, 2020. doi:10.1001/jamadermatol.2020.0465. 2. Winlevi ® [Package Insert]. Cassiopea 2020. Statistical significance if P <0.05 significance level a=0.05

Clascoterone Cream 1% Phase III Open Label Extension Study: Secondary Endpoint: Efficacy Summary^{1,2}





Patients on study treatment for the maximum period of 12 months on face and 9 months on trunk had an IGA score of 0 or 1 in 56.3% and 61.7% of the cases respectively

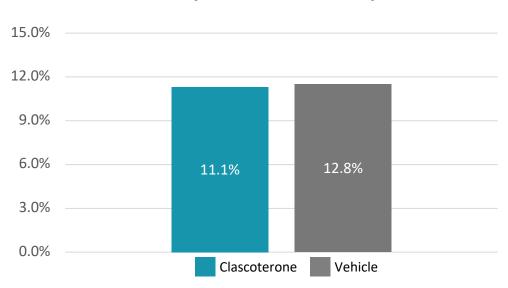
1. Eichenfield L, Hebert A, Gold LS, et al. J Am Acad Dermatol. 2020;83(2):477-485 2. Data on File. Cassiopea. 2020



Winlevi Safety Profile—Phase 3 Studies & Open Label Extension^{1,2}— Indicated Population³

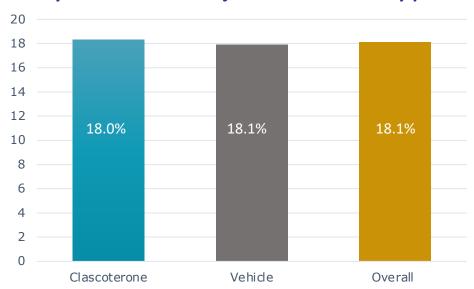
Phase 3 trials across 1,421 patients demonstrated side effects similar to vehicle^{1,3}





The open label trial involving 600 patients from the parent Phase 3 studies showed similar TEAE levels^{2,3}

Study 27 Percent of Subjects with TEAEs—by parent study



TEAE - treatment-emergent adverse event



^{1.} Hebert A, et al. JAMA Dermatol. 2020;156(6):621-630. doi:10.1001/jamadermatol.2020. 2. Eichenfield L, Hebert A, Gold LS, et al. JAm Acad Dermatol. 2020;83(2):477-485; 2. Data on File. Cassiopea. 2020.

WINLEVI (clascoterone) Cream, 1% Incidence of New or Worsening Local Skin Reactions (LSRs) reported by ≥ 1% of Patients ≥ 12 Years

Incidence of New or Worsening Local Skin Reactions Reported by ≥ 1% of Patients Treated with Winlevi After Day 1 in 12-Week Controlled Clinical Trials

	Winlevi (N=687ª)	Vehicle Cream (N=662ª)
Edema	25 (3.6%)	23 (3.5%)
Erythema/reddening	84 (12.2%)	101 (15.3%)
Pruritus	52 (7.6%)	55 (8.3%)
Scaling/ dryness	72 (10.5%)	68 (10.3%)
Skin atrophy	11 (1.6%)	17 (2.6%)
Stinging/burning	28 (4.1%)	28 (4.2%)
Striae rubrae	17 (2.5%)	10 (1.5%)
Telangiectasia	8 (1.2%)	12 (1.8%)

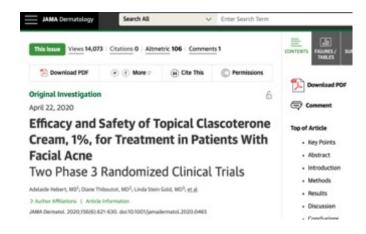
a. The denominators for calculating the percentages were the 674 of 709 subjects treated with WINLEVI cream and 656 of 712 subjects treated with vehicle in these trials who had local skin reaction results reported after Day 1. LSR severity was recorded trace, minimal, mild, moderate or severe. Most were trace/minimal/mild.

Source: Winlevi® [Package insert]. Cassiopea; 2020



Winlevi Medical Affairs

Trending as top article – Nearly 31,000 views /downloads



- 7 published clinical articles in high profile peer reviewed medical journals by Cassiopea
 - 8 additional published journal articles from KOLs
- 23 Posters and Abstracts



- Robust KOL support in trade journals—Dermatology Times, Dermatology World
- Widely viewed CME programming
- MedScape, JDD acne education on androgen receptors in acne



- 24 Meeting Sponsorships
- Since 2019, 275+ Podium
 Mentions by KOLS with 60 in
 2020 and 25 in 2021
- AAD 2020, 2021 (postponed-COVID)







Commercial Update

Key US Acne Market Insights and Positioning

- Acne market continues to be an important market in Dermatology
 - •High volume, concentrated target market with 8,200 providers accounting for almost 60% of prescriptions
- •Unmet need among providers for a novel approach, especially targeting the hormonal aspect for all acne patients
 - •Over the counter retinoids and BPOs are paving the way for innovative prescriptions
 - Antibiotic stewardship in acne has increased the need for alternatives
 - •Spironolactone (oral anti-androgen) used off label for acne is the third highest prescribed drug in Dermatology for any indication, limited use to females only
- •Acne is treated with polypharmacy, using multiple, complementary drugs to address varying parts of the disease
- •Market research demonstrates clear positioning for WINEVI around the unique mechanism of action and significant market share uptake predicted among segmented high value providers



Market Research confirms WINLEVI can be positioned as a foundation for acne treatment

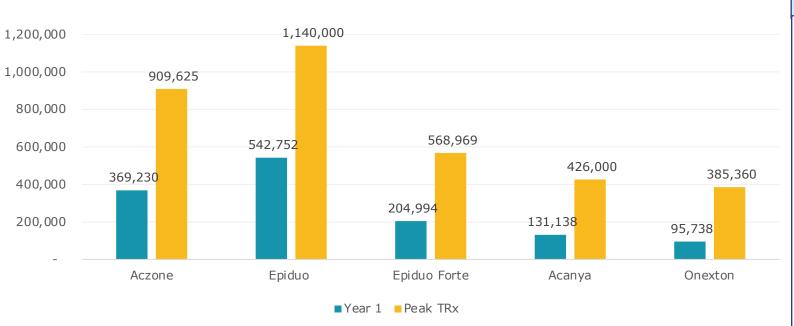
"All acne has a hormone component, 90% of Healthcare it's a matter of to what extent. If Product X **Providers** exposed to Clear Differentiation clascoterone cream treats the hormone as a first in class 1% said they would aspect of it and can work Topical Androgen for both male and be extremely likely Receptor Inhibitor to prescribe the female, then all patients should be on product it, like a retinoid." Derm Overall physicians Almost all Physicians reported a high surveyed agreed: preference share, There is a need for driven primarily by topical treatment to clascoterone's new & target acne triggered unique mode of action by hormones

Source: IQVIA Primary Market Segmentation Research July- Sept 2019. Qualitative research n=50. Q. How likely are you to prescribe Product X for your acne patients? Number of HCPs; Rating 1-7: $1 = Not \ Likely$; $4 = Somewhat \ Likely$ $7 = Extremely \ Likely$



Market research confirms interest in WINLEVI is similar to Epiduo and Aczone.

Acne Launch Surrogates: Year 1 & Peak TRx Volume



"This is not only a new product, but also novel product. It's a good option for both men and women struggling with hormonal acne. I would definitely use it!"

-High Priority Segment Derm

Source: IQVIA NPA Sept. 2019 Data, Aczone & Epiduo Peak Volume in 2015, Acanya 2013, Onexton 2016

Provider Response to clascoterone cream 1%

- Average clascoterone efficacy ratings were similar to products like Adapalene, and Aczone Gel 7.5%®, given that it provided decent reduction in inflammatory lesions and sufficient long term efficacy (especially in truncal acne)
- Clascoterone had the highest tolerability rating of all the products that were rated, given its very positive tolerability profile and its small rate of discontinuation
- HCPs saw most value of Winlevi in moderate patients so they can target both the inflammation and the hormonal component of acne in these patients
- Reported market share of 18-24%



Market Access Summary Insights and Coverage Progress

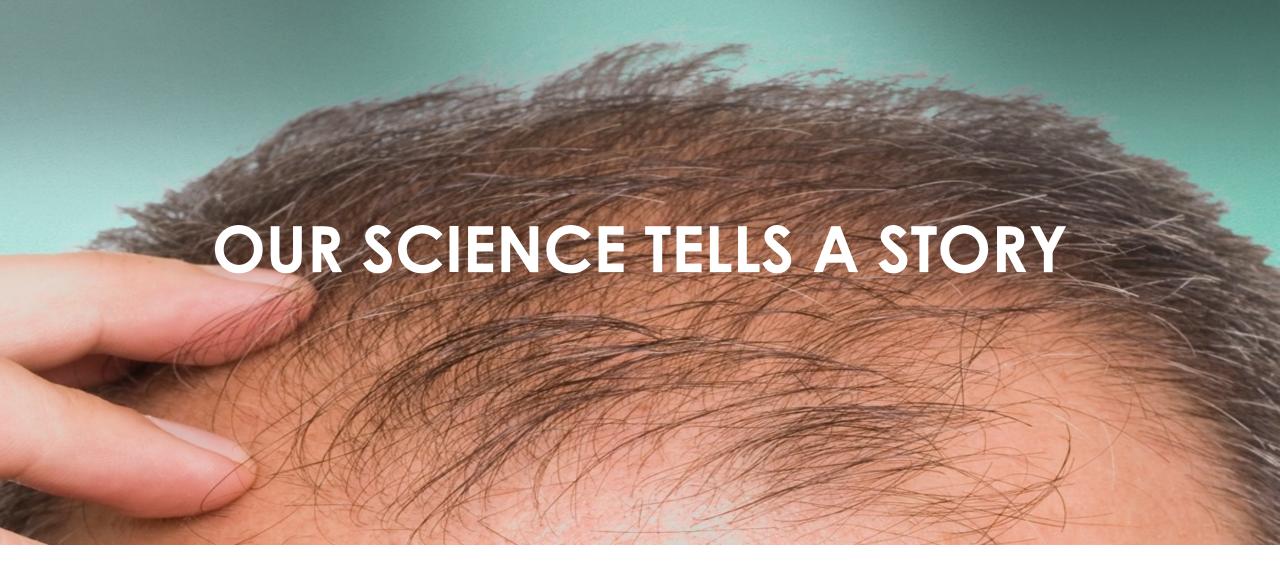
- Payers continue to provide coverage for acne patient visits and products
- While price is a key driver for coverage decisions, innovation and new MOA does matter
 - Drugs over \$600 WAC monthly cost may have higher restrictions \$550 WAC set
 - Clascoterone in a unique category as a first in class androgen receptor inhibitor
 - Possibly decreasing steps through other drugs as there are no other drugs in the class
- Coverage expected in at least 70% of commercial lives without highly restrictive PAs or multiple step edits for an acceptable Net price per month to the payer
- Partnered with a syndicated National Account Team (NAM) of 8 with U.S. Payer engagements and clascoterone clinical reviews started July 2020
- Contracting Negotiations have been initiated with Payers representing 98% of all Commercial lives (165MM) - 3 contracts signed, 3+ to be signed in 4-8 weeks



Winlevi Launch Approach

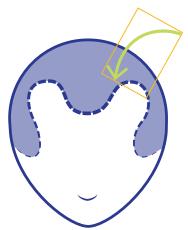
- Adopted a step wise approach to investment and launch preparation
 - Built a US management team with extensive dermatology experience in over 20 derm launches
 - 2 step launch approach: Market Access Launch at PDUFA (Sept. 2020), Commercial Sales Launch Fall 2021
- Built a solid foundation for launch
 - Extensive Medical Affairs program has rapidly increased awareness of clascoterone new MOA and clinical data in the dermatology community
 - Marketing research conducted on positioning, messaging and market segmentation
 - Market access research conducted on value proposition, downstream payer analysis/pricing and market access launch has begun
- In order to increase operating efficiency we have evaluated multiple commercialization options and we plan to make an announcement within the next 30-60 days on the selected commercialization transaction
 - Transactions that give access to additional products
 - Structures of external or contract support
 - M&A or licensing options to optimize commercialization and profitability before building own organization





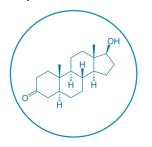
Clascoterone Solution 7.5%
First in Class Androgen Receptor Inhibitor
Targeting Androgenetic Alopecia

US Androgenetic Alopecia Market



Androgenetic alopecia, also known as pattern baldness, is characterized by the progressive loss of terminal hairs on the scalp in a characteristic pattern¹

It is caused by high concentrations of dihydrotestosterone (DHT) at the hair-follicle, which shortens the hair growth cycle in those with a genetic predisposition¹



Known psychosocial complications of androgenetic alopecia include depression, low self-esteem, and less frequent and enjoyable social engagement²

Studies have indicated that women are more likely to suffer from psychological complications than men²



80-95 million Americans suffer from Androgenetic alopecia³







Only **4-9 million** patients are estimated to get treatment

Treatment options are limited to old therapies developed

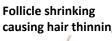
20 -30 years ago⁴

1. Ustuner ET. Plast Reconstr Surg Glob Open. 2013;1(7):e64. Published 2013 Nov 7. 2. Camacho FM, García-Hernández M.. J Eur Acad Dermatol Venereol. 2002 Sep;16(5):476-80. 3. Triangle Insights Group Report: Commercial Assessment of Breezula November 9, 2018. Page 6. 4. Gupta AK, et al. Dermatolog Treat. 2020 Apr 13:1-11

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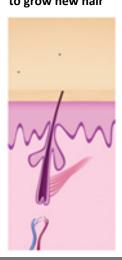
Clascoterone Solution: A Potential New Topical Treatment for Androgenetic Alopecia in Males and Females^{1,2}

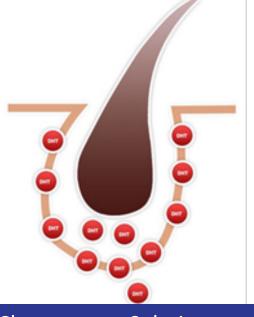






Small follicle unable to grow new hair





DHT = *Dihydrotestosterone*

Existing Treatments



- Has anti-androgenic activity on follicle by inhibiting 5 alpha reductase, an enzyme required for synthesis of DHT³
- However, serious side effects due to hormonal imbalance³
- Not indicated for women³

Minoxidil[®]

♦ Shows a vasodilator effect, ensuring a better flow of nutrients to the papilla³

Clascoterone Solution A Novel Topical Androgen Receptor Inhibitor

- Antagonizes DHT's negative effects on dermal papilla by competing with DHT at the androgen receptor¹
- Reduces hair miniaturization¹
- Reduces dermal inflammation¹

1. Rosette C, Rosette N, Mazzetti A et al.. J Drugs Dermatol. 2019; 18(2)197-201. 2. Cassiopea S.p.A.: Elevating the science of dermatology with new therapeutics. Nature Dealmakers. 2020; Nov 30, 2020. 3. Ashigue S, et al. . Nat Prod Bioprospect. 2020;10(6):345-365. doi:10.1007/s13659-020-00267-9



Clascoterone Solution Clinical Program Status

Status:

- Phase 2 dose ranging study in males successful and most effective dose identified at 7.5%
 BID
- End of Phase 2 Meeting with FDA held
- Special Protocol Assessment for Phase 3 Program submitted to FDA and Type A meeting held
- Development of Patient Reported Outcome questionnaire underway
- Special Protocol Assessment for Phase 3 Program to be re-submitted to FDA
- Extensive Medical Affairs program has increased visibility in the Dermatology community
- Phase 2 study in females enrollment completed

Next Steps:

- Phase 2 data in females top line results 3Q21
- Finalize Special Protocol Assessment for Phase 3 Program in males with FDA
- Initiate Activities for Phase 3 trials in males after agreement with FDA on SPA

Representative photos.

Blume-Peytavi U, et al. S11223 –). Presented at the 2019 AAD Annual Conference. S034 Late-breaking Research Saturday March 2, 2019. Washington DC. https://bit.ly/330h2nt

7.5% Solution BID Baseline



Month 6



Clascoterone solution is under investigation and is not FDA approved.

Key Market Insights & Opportunity for Breezula



Simple Tx Algorithm, poised for market disruption

- •Few therapeutic options for Physicians, limited to finasteride and minoxidil, results in underdeveloped AGA Market
- •No promotional competition on the horizon

HCPs were highly receptive to the product profile, emphasizing the novel mechanism and impressive clinical photographs – 60% reported adoption



Highly Engaged & Motivated Patient Base

- •Over 70% of patients express a high level of concern and impact on their lives
- Most common treatment is Rogaine, along with vitamins & supplements
- •Women have fewer options than men
- Forhims, keeps.com have impacted the distribution model directly to consumers
 - ✓ Almost half of the patients surveyed said they would be extremely likely to request a Rx, with another 30% moderately likely.

Payers call this a "lifestyle" drug category

- •Finasteride and minoxidil are not considered covered drugs
- Payers expresses unlikely to cover future AGA drugs
- Cosmetic disease, rather than medical

Breezula could be priced \$100-200 per month like other lifestyle drugs



Upcoming Company Milestones

- Winlevi (clascoterone) cream, 1% launch
 - Market Access launch ongoing, Sales launch fall 2021
- Announce topline results for Phase 2 program for Clascoterone Solution in Females 3Q21
- Finalize SPA with FDA on Phase 3 program for Clascoterone Solution in males

Cassiopea SpA

Information

Number of shares: 10,750,000

Listing: SIX Swiss exchange, Main board

ISIN: IT0005108359

Ticker: SKIN

Contacts

Diana Harbort, CEO dharbort@cassiopea.com

Pierpaolo Guzzo, CFO pguzzo@cassiopea.com



WINLEVI® (clascoterone) cream, 1% Indication & Important Safety Information

INDICATIONS AND USAGE

WINLEVI® (clascoterone) cream is an androgen receptor inhibitor indicated for the topical treatment of acne vulgaris in patients 12 years of age and older.

DOSAGE AND ADMINISTRATION

- Apply a thin layer (approximately 1 gram) to affected area twice daily (morning and evening). Avoid contact with eyes, mouth, and mucous membranes.
- Not for ophthalmic, oral or vaginal use.

DOSAGE FORM AND STRENGTHS

Cream 1%.

CONTRAINDICATIONS

None.

WARNINGS AND PRECAUTIONS

Local Irritation: Pruritus, burning, skin redness or peeling may be experienced with WINLEVI cream. If these effects occur, discontinue or reduce the frequency of application of WINLEVI cream.

- Hypothalamic-pituitary-adrenal (HPA) axis suppression may occur during or after treatment with clascoterone.
- Attempt to withdraw use if HPA axis suppression develops.
- Pediatric patients may be more susceptible to systemic toxicity.
- Hyperkalemia: Elevated potassium levels were observed in some subjects during the clinical trials.

ADVERSE REACTIONS

Most common adverse reactions occurring in 7 to 12% of patients are erythema/reddening, pruritus and scaling/dryness. Additionally, edema, stinging, and burning occurred in >3% of patients and were reported in a similar percentage of subjects treated with vehicle.

See

https://www.winlevi.com/assets/WINLEVI-clascoterone-cream-prescribing-info-08-2020.pdf for full prescribing information

