OUR SKIN TELLS A STORY





Jefferies Global Healthcare Conference Credit Suisse Conference November 2020

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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



Agenda

- Winlevi (clascoterone cream) 1%
- Commercial Update
- Product Development 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

50

Million sufferers in US \$5

Billion US market 24

Million prescriptions

70%

Total Prescriptions written in the Dermatology Office



Source: 1. Thielitz A, Gollnick H. Am J Clin Dermatol. 2008;9(6):369–81; 2. Costa CS et al. Cochrane Database Syst Rev 2018;11:CD009435. 3. Skin Conditions by the numbers. American Academy of Dermatology. https://www.aad.org/media/stats/conditions/skin-conditions-by-the-numbers. 4. IQVIA National Prescription Audit Sept. 2019.



Winlevi (clacoterone) 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 treatment of acne in Patients 12 years 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-clascoterone-cream-prescribing-info-08-2020.pdf 3. US FDA Drug Trial Snapshot: WINLEVI. September 3, 2020. https://www.fda.gov/drugs/drug-approvals-and-databases/drug-trial-snapshot-winlevi

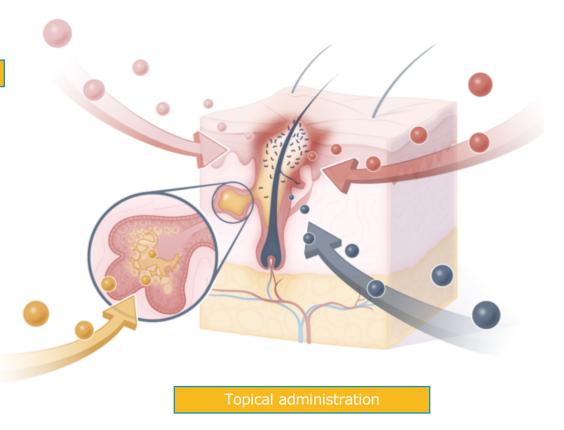
Approval of Winlevi[®] (clascoterone) cream 1% Fills a Long-Standing Gap in Topical Acne Therapy^{1,2} Multi-factorial disease results in a complementary approach to treat acne

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

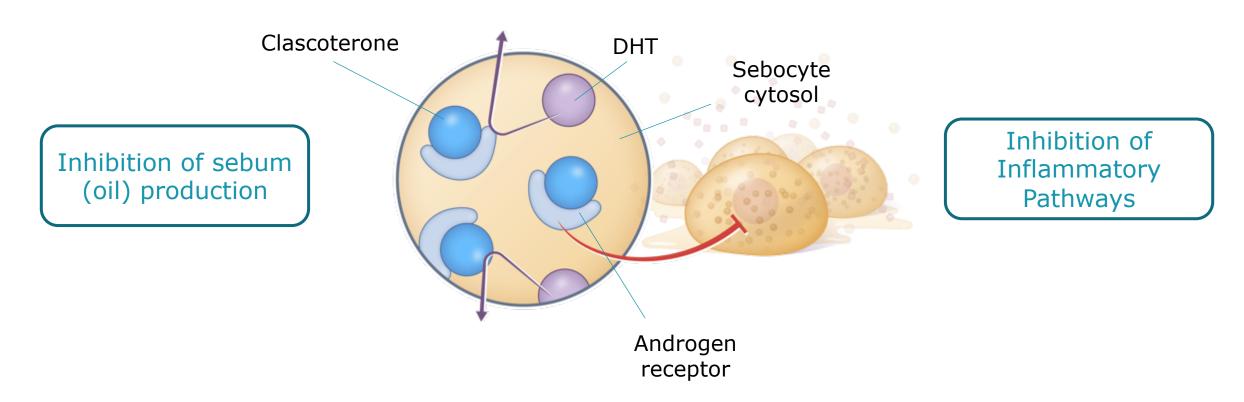
Antibiotics

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*}

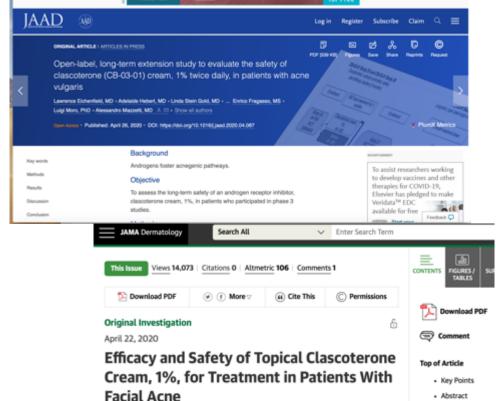


Source: 1. Ferraboschi P et al. Med Chem Commun 2014;5:904-14; 2. Rosette C, et al. J Drugs Dermatol. 2019; 18(5):412-418. https://www.ncbi.nlm.nih.gov/pubmed/31141847



Winlevi Publications





Two Phase 3 Randomized Clinical Trials

Adelaide Hebert, MD³; Diane Thiboutot, MD²; Linda Stein Gold, MD³; et al.

JAMA Dermatol. 2020;156(6):621-630. doi:10.1001/jamadermatol.2020.0465

> Author Affiliations | Article Information



A Phase 2b, Randomized, Double-Blind Vehicle Controlled, Dose Escalation Study Evaluating Clascoterone 0.1%, 0.5%, and 1% Topical Cream in Subjects With Facial Acne

Alessandro Mazzetti MD,^a Luigi Moro PhD,^a Mara Gerloni PhD,^a Martina Cartwright PhD^b

^aCassiopea SpA, via Cristoforo Colombo 1, Lainate, Italy

^bCassiopea Inc., San Diego, CA



Pharmacokinetic Profile, Safety, and Tolerability of Clascoterone (Cortexolone 17-alpha propionate, CB-03-01) Topical Cream, 1% in Subjects With Acne Vulgaris: An Open-Label Phase 2a Study

Alessandro Mazzetti MD,^a Luigi Moro PhD,^a Mara Gerloni PhD,^a Martina Cartwright PhD^b

"Cassiopea SpA, via Cristoforo Colombo 1, Lainate, Italy

bCassiopea Inc., San Diego, CA

Over 23,000 views /downloads from JAMA Derm website alone

Introduction
 Methods

Results

Discussion

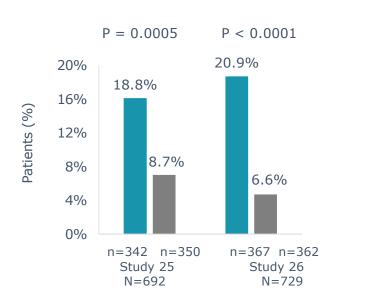
Conclusions



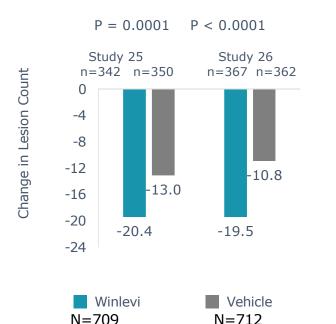
Two Pivotal Phase III Trials, WINLEVI (clascoterone) Cream, 1% Demonstrated Statistically Significant Efficacy vs. Vehicle—IGA Success and Absolute Reduction in Lesion Count^{1,2} Age 12 and older

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

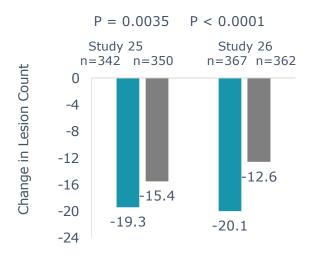
2 Point Reduction in IGA & IGA score of 0 (clear) or 1 (almost clear)



Absolute change from baseline in non-inflammatory lesion count



Absolute change from baseline in inflammatory lesion count



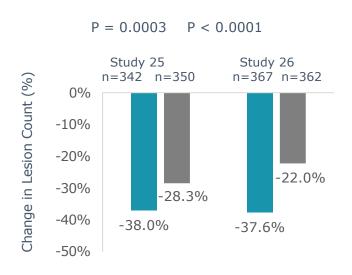


^{1.} Hebert A, et al. JAMA Dermatol. JAMA Dermatol. 2020;156(6):621-630 . doi:10.1001/jamadermatol.2020.0465. 2. Winlevi ® [Package Insert]. Cassiopea 2020. Statistical significance if P < 0.05 significance level a=0.05

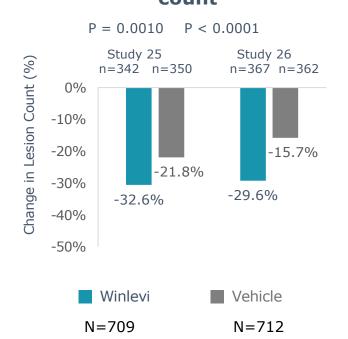
In Two Pivotal Phase III Trials, WINLEVI (clascoterone) Cream, 1% Demonstrated Statistically Significant Efficacy vs. Vehicle - Percent Reduction in Lesions^{1,2} Age 12 and older

EFFICACY (SECONDARY ENDPOINTS) ITT (WEEK 12)

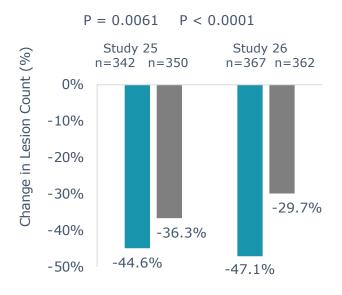
Percent reduction from baseline in total lesion count



Percent reduction from baseline in non-inflammatory lesion count



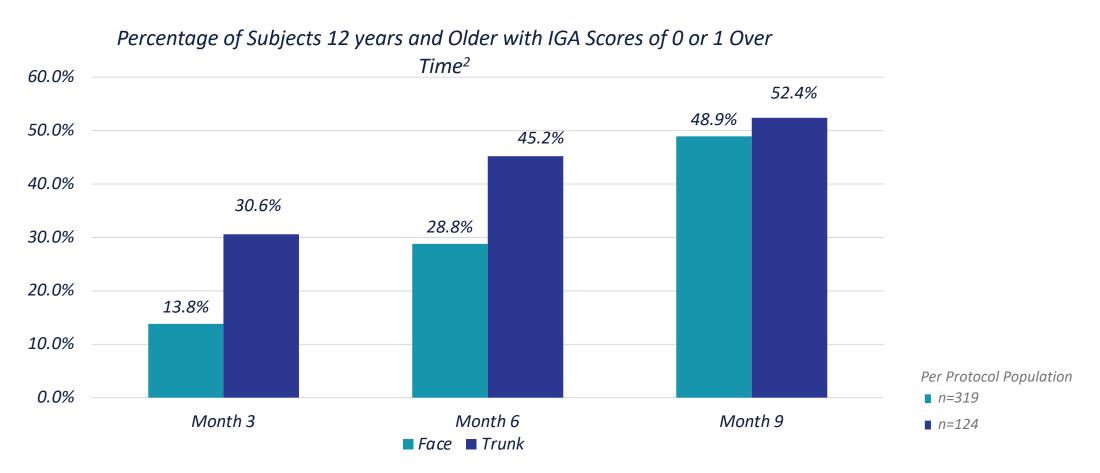
Percent reduction from baseline in inflammatory lesion count





^{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 α=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

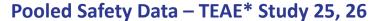
had an IGA score of 0 or 1 in 56.3% and 61.7% of the cases respectively

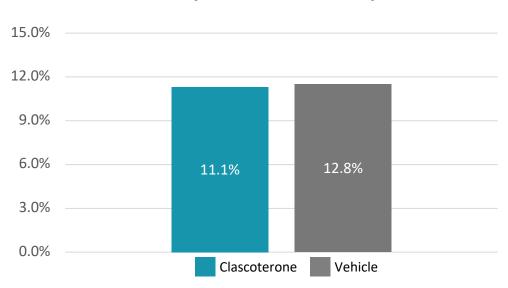
1. Eichenfield L et al. In press. JAAD 2020 2. Data on File. Cassiopea. 2020



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

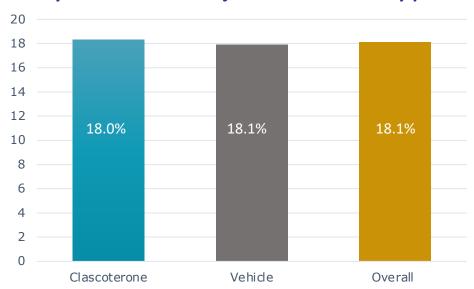
Phase 3 trials across 1,421 patients demonstrated side effects similar to vehicle^{1,2}





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



1. Hebert A. et al. JAMA Dermatol. 2020;156(6):621-630. 2. Eichenfield L et al. In press. JAAD. 2020. 4. Data on File. Cassiopea.2020. 3. Winlevi [Package Insert]. Cassiopea. 2020



^{*}Treatment Emergent Adverse Events

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.





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
 - •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 **Providers** exposed to extent. If Product X 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: $1 = Not \ Likely$; $4 = Somewhat \ Likely$ $7 = Extremely \ Likely$



Great response to clascoterone cream from our priority segments – this share is similar to previous market leaders (Epiduo & Aczone)

Segments Summary – Findings from Acne Qualitative Research



Aggressive Treater N=2,600

- Reported mkt share= 18%*
- Will adopt Winlevi, driven by its novel MOA targeting the hormonal and inflammation components of acne, and its topical application
- Winlevi's modest efficacy may limit use in hard-to-treat patients, and preference for single-product combo topicals may limit use in mild patients



Benefit / Safety - Driven N=3000

- Reported mkt share= 20%*
- Will adopt Winlevi quickly, given preference for combination and customized approach – other topicals will add to Winlevi's less impressive efficacy to achieve desired results (without a downside)
- Need to educate on role of hormonal acne across all ages and genders to break belief that hormonal acne only applies to adult women



Tolerability - Driven N=2600

- Reported mkt share= 24%*
- Some will delay adoption slightly, as they want to wait to ensure that Winlevi does not have "post-approval" safety and tolerability concerns
- Once adopted they will use Winlevi widely, especially in moderate-to-severe patients, and across all gender and age groups, barring any access issues

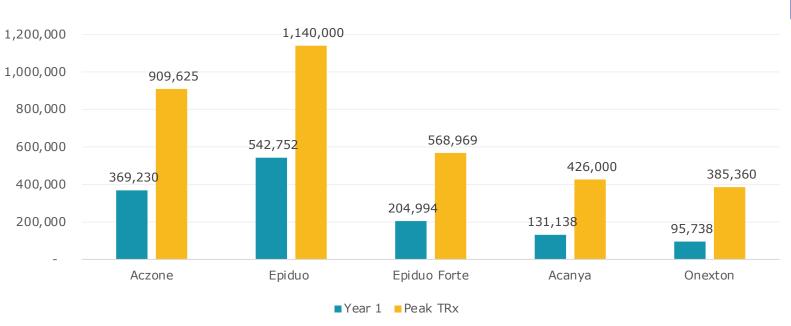
Source: IQVIA Primary Market Segmentation Research July- Sept 2019 n=55 interviews. IQVIA NPA Data, Italicized: Information from claims data, Total prescribing universe= 102,000 HCPs



^{*}Market share is based on 50% discount from reported uptake, benchmarking against IQVIA Launch Data

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

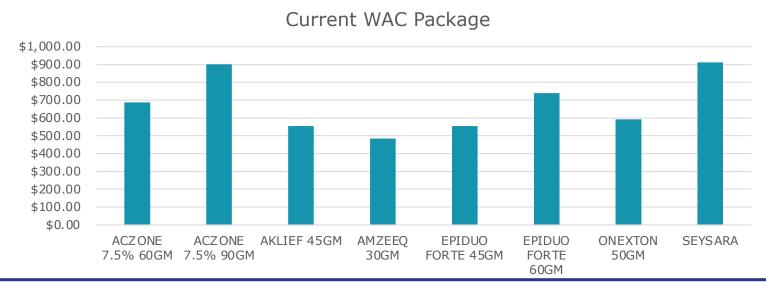
Source: IQVIA NPA Sept. 2019 Data, Aczone & Epiduo Peak Volume in 2015, Acanya 2013, Onexton 2016

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



Acne Brand WAC Prices range from \$500-\$900 and vary in pack sizes from 30gm -90gm



- The average wholesale acquisition cost (WAC) of approximately 1 month's supply for a topical acne product is \$613
- New topical brands launched are Aklief® (45gm-\$554.25) and Amzeeq™ (30gm-\$485.00)
- New systemic brand is Seysara® (\$911.60)
- *There is a significant deduction from WAC to net price based on the percent discounted to wholesaler for distribution and to payers and patients for market access. This will vary over the life of the product.

Source: Analysource, First DataBank Pricing March 2020



Market Access Summary Insights and Coverage Progress

- Research confirms that Payers will 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
 - Clascoterone targeting to be 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 started July 2020
- Positive feedback to product and clinical reviews with Payers covering ~94% of Commercial lives
- Q4 2020 Contracting Engagements have been initiated with Payers representing:
 - 65MM Commercial Lives
 - 40% of Annual Acne Prescriptions

Source: In depth interviews conducted June and August 2019 by Precisions Xtract Inc. Perception and coverage expectation data based on primary research conducted June 2019; N=12 Payers (~92M Commercial Lives). Price-Access projections are based on primary research conducted August 2019; N=10 Payers (~79M Commercial Lives)



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 March 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 are currently evaluating
 - Transactions that give access to additional products
 - Structures of external or contract support
 - Cooperations with a commercial sales partner with Cassiopea maintaining strategic control of the brand (marketing, medical affairs, market access)
 - M&A options to optimize commercialization and profitability before building own organization



Commercial Launch Priorities

Educate on the Benefits of Androgen Receptor Inhibition







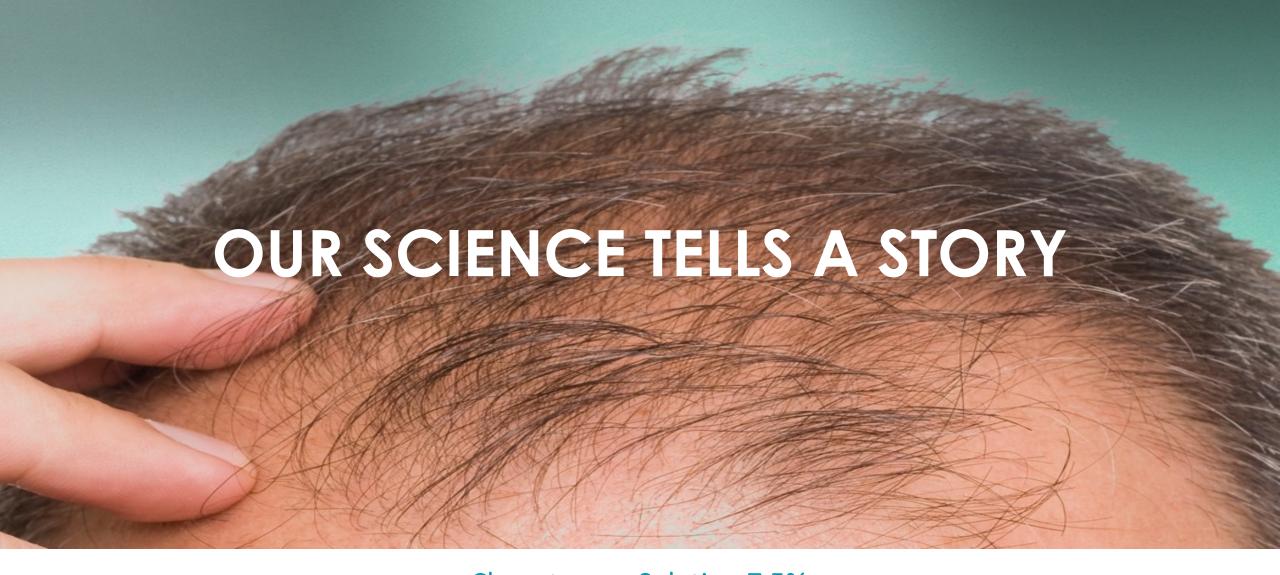


Product Development Update

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





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

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Clascoterone solution is not FDA approved. It is poised as a first in class therapy for androgenetic alopecia

Clascoterone Solution Status and Next Steps

Status:

- FDA feedback on Special Protocol Assessment for Phase 3 Program received in June with a request for a new validated PRO (Patient Reported Outcome)
- Type A FDA meeting held in November regarding development of the new PRO in parallel with Phase 3 studies, agreed
- Phase 2 study in females fully enrolled
- Extensive Medical Affairs program has increased visibility in the Dermatology community 9 Published Papers, Abstracts and Posters, 17 KOL podium presentations

Next Steps:

- Initiate Activities for PRO questionnaire
- 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



Clascoterone Solution for AGA in Females

Phase 2 Study Ongoing:

- Multicenter, prospective, randomized, double blind
- Minoxidil solution 2% BID, vehicle BID, Clascoterone solution 5% BID and Clascoterone solution 7.5% BID
- Females 18-55
- 6 months treatment
- 280 subjects split in 4 groups of 70 subjects

Status/Next Steps:

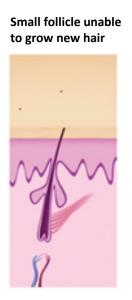
- Enrollment complete: 293 subjects enrolled
- Topline Results anticipated 2Q21



Androgenetic Alopecia and Existing Treatments









DHT = Dihydrotestosterone

Existing Treatments



- Shows anti-androgenic activity on follicle
- However, serious side effects due to hormonal imbalance
- Not indicated for women

Minoxidil[®]

◆ Shows a vasodilator effect, ensuring a better flow of nutrients to the papilla

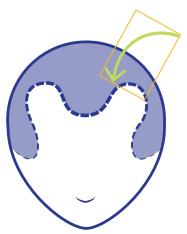
Clascoterone Solution

A Novel Androgen Receptor Inhibitor

- Antagonizes DHT's negative effects on dermal papilla
- Reduces hair miniaturization
- Reduces dermal inflammation

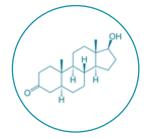


US Androgenetic Alopecia Market



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

It is caused by high concentrations of dihydrotestosterone (DHT) at the hair-follicle, which shortens the hair growth cycle.



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

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



80-95 million Americans suffer from Androgenetic alopecia



Both men and women are impacted





Only

4-9 million patients are estimated to get treatment

Treatment options are limited to old therapies developed

20 - 30 years ago



Providers and Patients are excited about Clascoterone Solution for AGA

- HCPs were highly receptive to the product profile, emphasizing the novel mechanism and impressive clinical photographs
 - All provider specialties suggest high utilization with a reported adoption of over 60% of male patients and 50% of female patients
 - Physicians reported high adoption rates and would take replace finasteride and minoxidil equally
- Nearly half of Rogaine® patients indicated that they would be at least highly likely to request Clascoterone Solution from their physician
- Clascoterone Solution could be priced like other cash pay lifestyle drugs ie \$100-200 per month





"I have never been able to give my female patients something that could really fix their issue. This product could give a bit of hope to female alopecia patients."

- Primary Care Physician



Upcoming Company Milestones

- Clascoterone Cream 1% launch
 - Market Access ongoing, Sales launch March 2021
- Finalize SPA with FDA on Phase 3 program for Clascoterone Solution in males
- Announce topline results for Phase 2 program for Clascoterone Solution in Females 2Q21

PDUFA: The Prescription Drug User Fee Act



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

Chris Tanner, CFO ctanner@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

