



JEUNE

Revolutionizing Aesthetic Medicine

KB301 PEARL-I Interim Results for
Dynamic Wrinkles of the Décolleté
and Lateral Canthal Lines

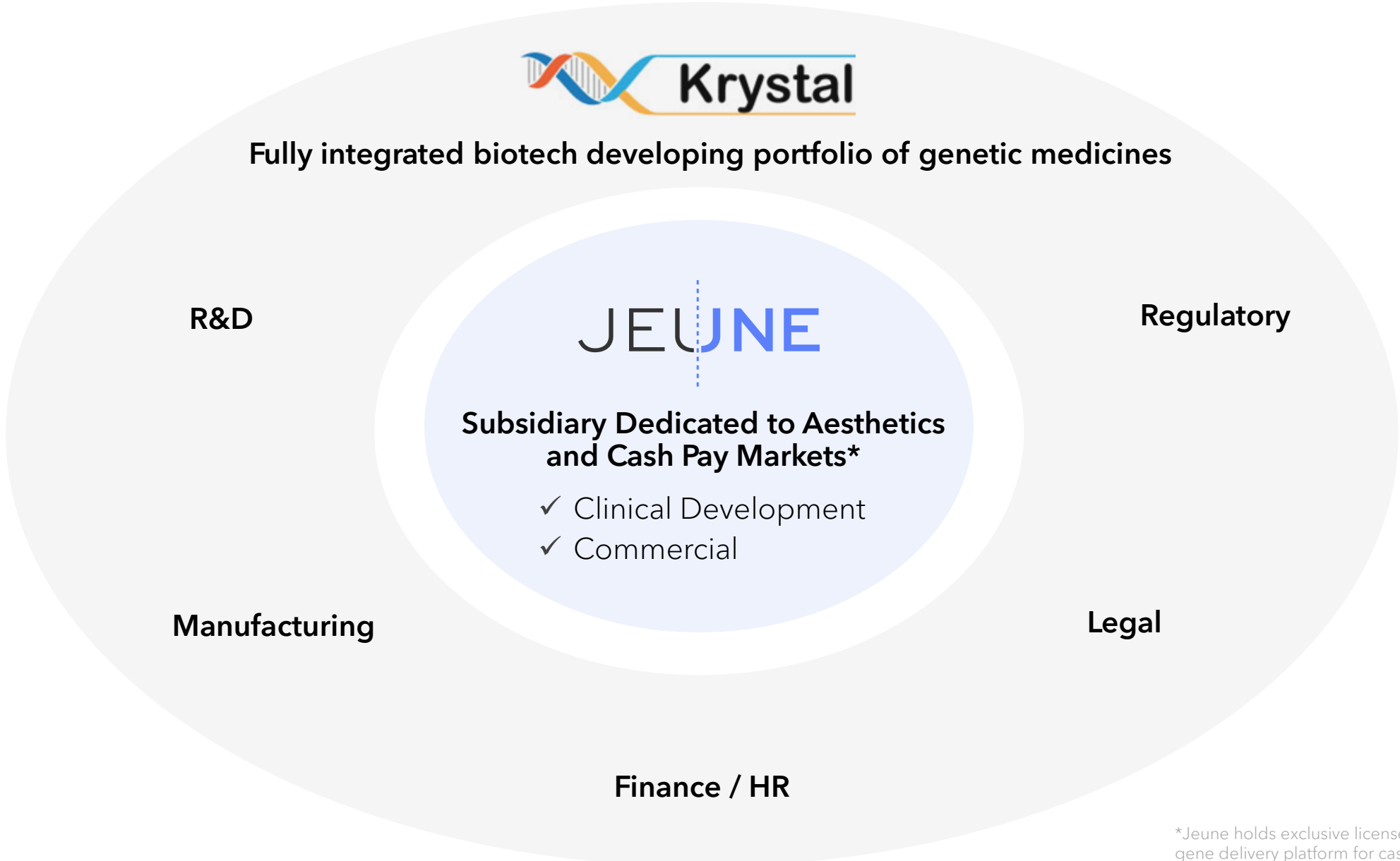
August 2024

Forward-Looking Statements

This presentation, which includes the accompanying oral presentation, contains, and the answers to questions may contain, forward-looking statements that involve substantial risks and uncertainties. Any statements in this presentation about future expectations, plans and prospects for Jeune Aesthetics, Inc., a wholly-owned subsidiary of Krystal Biotech, Inc. (together, the "Company"), which may include but are not limited to statements about the clinical utility of KB301; the Company's plans for a Phase 2 study evaluating KB301 for the treatment of dynamic wrinkles of the décolleté, including the expected timing of initiation of the Phase 2 study; the markets for aesthetic skin conditions and the primary and secondary tools for treating aesthetic skin conditions, including existing consumer demand for aesthetic treatments and expected market expansion trends; the projected aesthetic treatment ladder; the potential market for aesthetic treatments for aged skin; the development and commercialization of the Company's pipeline product candidates, including conduct and timelines of clinical studies; the Company's technology platform; and other statements containing the words "anticipate", "believe", "estimate", "expect", "intend", "may", "plan", "predict", "project", "target", "potential", "likely", "will", "would", "could", "should", "continue" and similar expressions, constitute forward-looking statements within the meaning of The Private Securities Litigation Reform Act of 1995. Actual results may differ materially from those indicated by such forward-looking statements as a result of various important factors, including: uncertainties associated with regulatory reviews and clinical trials; the availability or commercial potential of the Company's products; and such other important factors as are set forth in the Krystal Biotech Inc.'s filings with the U.S. Securities and Exchange Commission. The forward-looking statements included in this presentation represent the Company's views as of the date of this presentation and should not be relied upon as representing the Company's views as of any subsequent date. While the Company may elect to update these forward-looking statements, it specifically disclaims any obligation to do so.

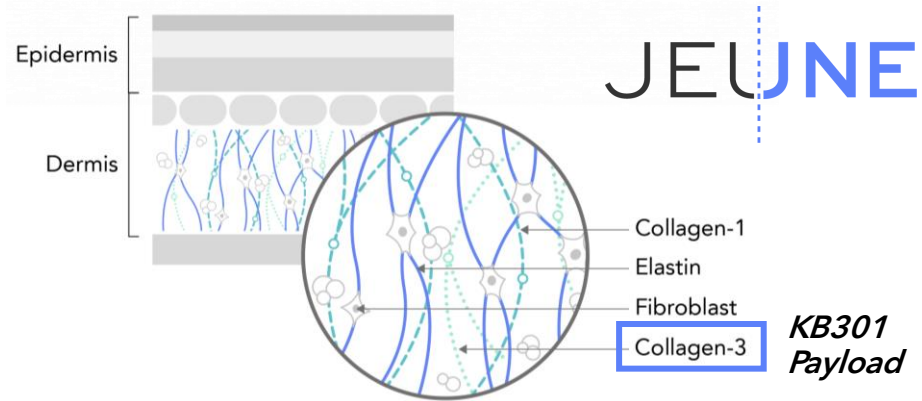
This presentation contains estimates and statistical data made by independent parties or the Company relating to, among other things, market size and growth. These estimates involve assumptions and limitations and should not be given undue weight. Neither the Company nor any other person makes any representation as to the accuracy or completeness of such estimates or data or undertakes any obligation to update such estimates or data. In addition, any projections, assumptions and estimates of the Company's future performance and the future performance of the markets in which the Company operates are necessarily subject to a high degree of uncertainty and risk. All product candidates described in this presentation are investigational treatments.

Jeune Aesthetics: Wholly Owned Subsidiary of Krystal Biotech, Inc.



*Jeune holds exclusive license to Krystal's HSV-1 gene delivery platform for cash pay markets

Lead Program KB301 Designed to Increase Type III Collagen Levels in Aging Skin



- Type III collagen (COL3) is the second most abundant protein in the skin but levels decline significantly with age
- COL3 has been implicated in both new collagen fibril formation as well as regulation of collagen fibril diameter, organization, and elasticity
- Consistent with its role as an early regulator of new collagen formation, COL3 expression has been used as a marker of clinical efficacy of fillers

Jeune's lead program KB301 is designed to increase COL3 expression from an individual's own skin cells, restoring youthful collagen levels and rejuvenating the skin

KB301 Phase 1 Program PEARL-1

Cohort 1 - Safety and PK*

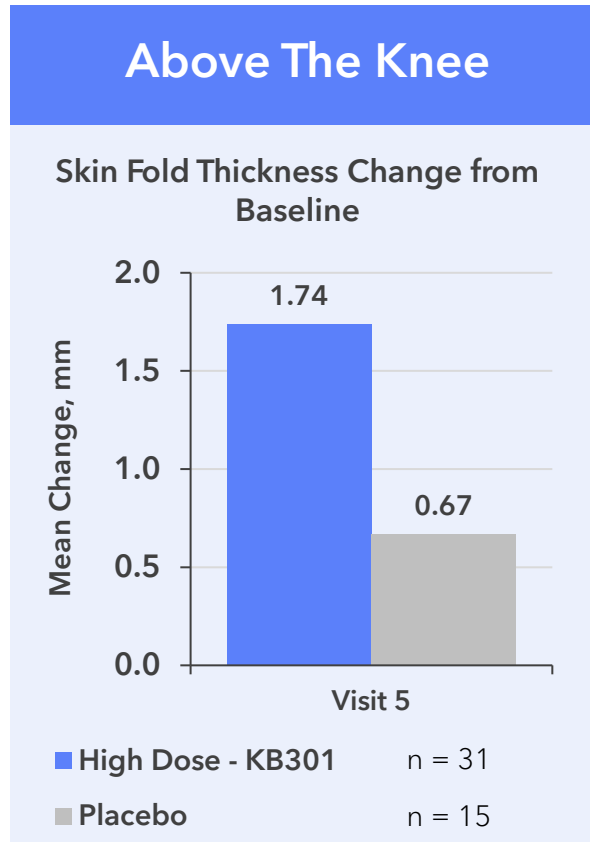
Cohort 2 - Initial Efficacy**

Cohort 2E - Durability***

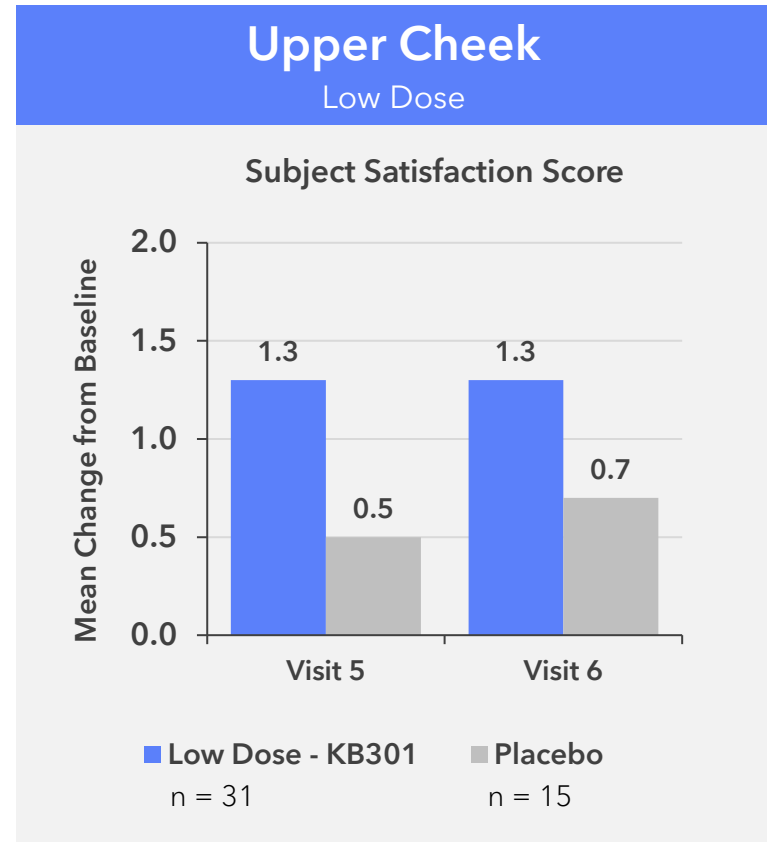
Cohorts 3 / 4

Aesthetic Improvement Reported at All KB301 Treatment Sites in Cohort 2

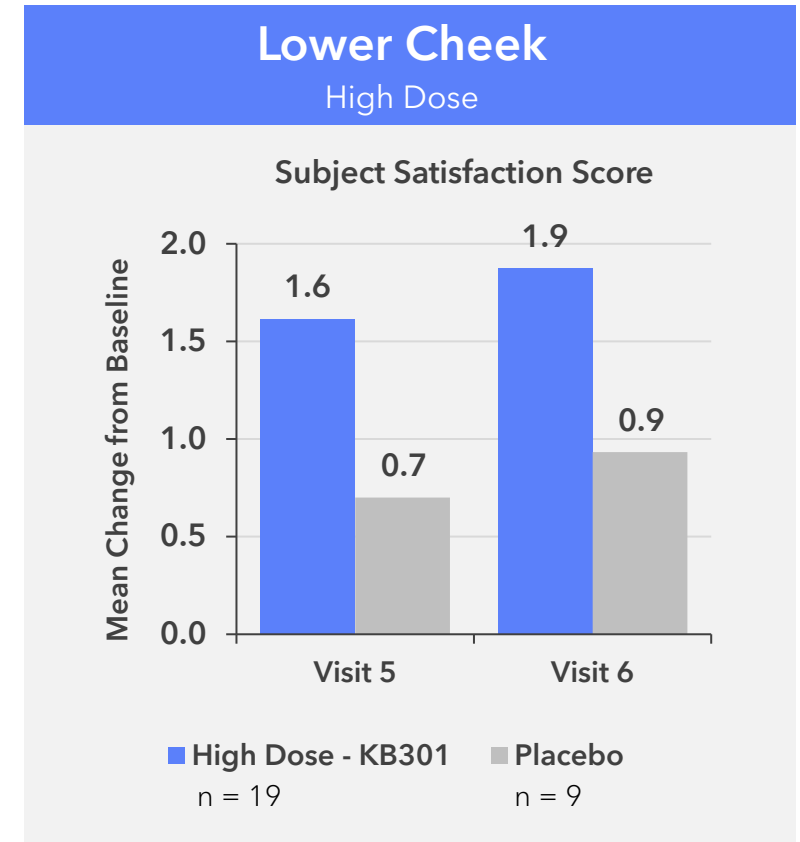
Cohort 2: Exploratory, 2:1 randomized, placebo-controlled study evaluating safety and efficacy of KB301, administered up to four times weekly, at either low and/or high dose, to the area above the knee, the lower cheek and upper cheek.



Only high dose was tested above the knee



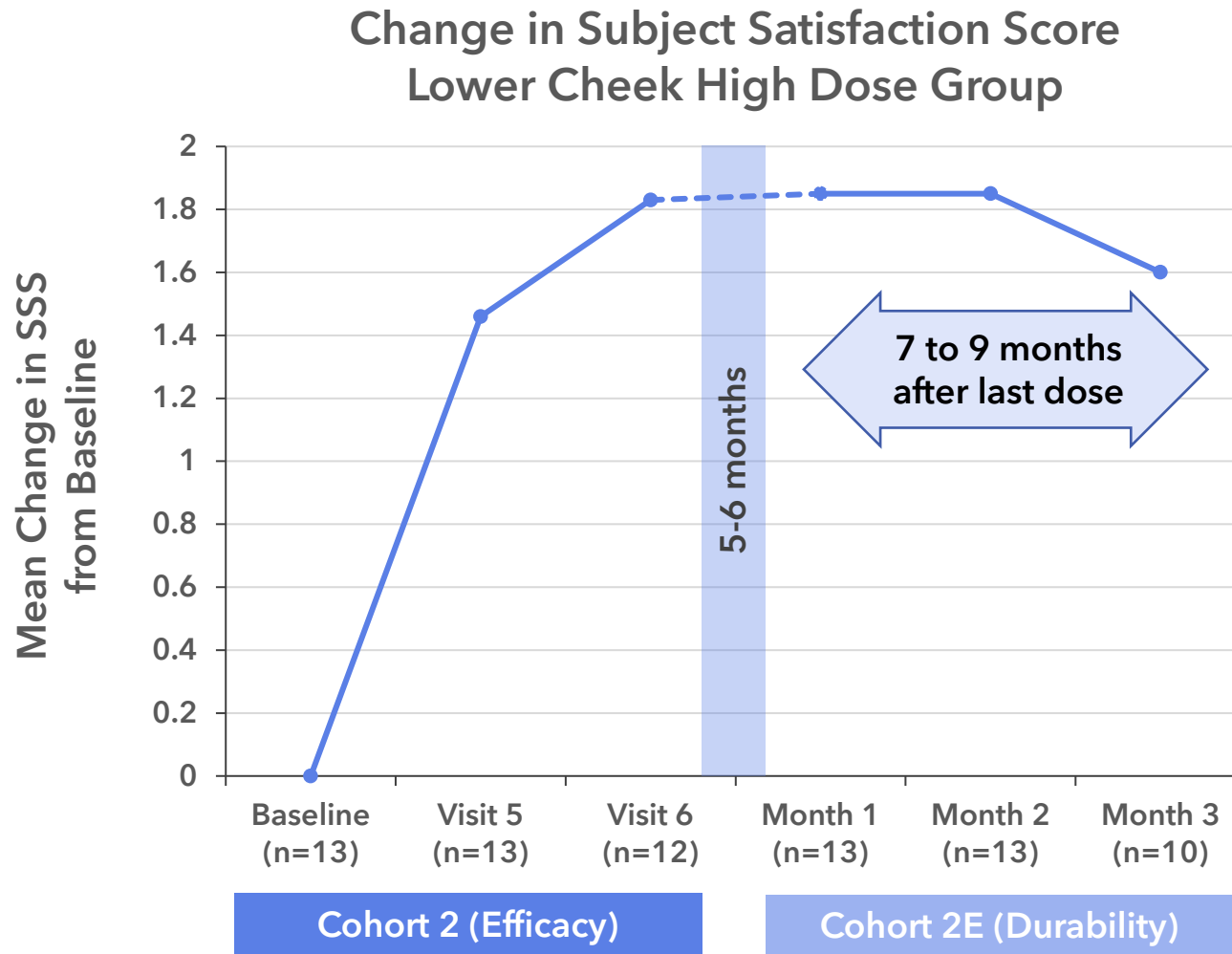
Only low dose was tested in the upper cheek



No signal detected at low dose (n = 12 with n = 6 matching placebo)

Both low and high dose KB301 generally well tolerated, with evidence of pharmacodynamic effect and aesthetic improvement across injection sites

Durability of at Least Nine Months Observed in Extension Follow Up



Scores remained elevated from baseline approximately 7-9 months after the last dose in Cohort 2

*Change in SSS compared to baseline (defined as the beginning of Cohort 2 prior to any treatment with KB301)
Visit 5 and 6 correspond to 2 to 4 weeks after the last dose, depending on whether the subject received 3 or 4 doses
Missing data at Visit 6 and Month 3 are due to missed study visits.*

Indications for Cohorts 3/4 Selected Based on KB30I Profile and Market Demand

Cohort 3

Lateral Canthal Lines at Rest

Cohort 4

Dynamic Wrinkles of the Décolleté



Cohorts 3 and 4 Interim Data Review

PEARL-I Cohort 3 Evaluating KB301 in Lateral Canthal Lines at Rest

Study Objective and Design

- Multicenter, open-label study evaluating KB301 for the improvement of lateral canthal lines at rest in adults
- Key study objectives were safety and preliminary efficacy as assessed by investigator and subject, as well as images; surveys for efficacy assessment included
 - **Investigator and Subject:** 5-point Global Aesthetic Improvement Scale (GAIS)
 - **Subject Only:** Subject Satisfaction Questionnaire (SSQ)
- Dosing and administration technique also explored as part of study
- Key exclusion / inclusion criteria
 - Adults up to 75 years of age, Fitzpatrick phototype score I-IV
 - No skin conditions or aesthetic treatments in lateral canthal region, last 6 months

Study Population

- 13 subjects enrolled and 12 assessed through two month follow up
- Assessed subjects:
 - Median 57 years of age (range = 31 to 68 years), 92% female
 - Six subjects received high dose KB301 with microneedling treatment
 - Two subjects received low dose KB301 and five subjects received high dose KB301 with standard syringe

Abbreviated Treatment and Assessment Schedule for Interim Readout

Treatment Visits

- Image Capture
- Subject and Investigator Assessments
- Weekly Treatments



One Month Follow Up

- Image Capture
- Subject and Investigator Assessments



Two Month Follow Up

- Image Capture
- Subject and Investigator Assessments

Interim Safety Findings in Lateral Canthal Region

Both low and high dose KB301 generally well tolerated with no adverse change in safety profile upon repeat dosing

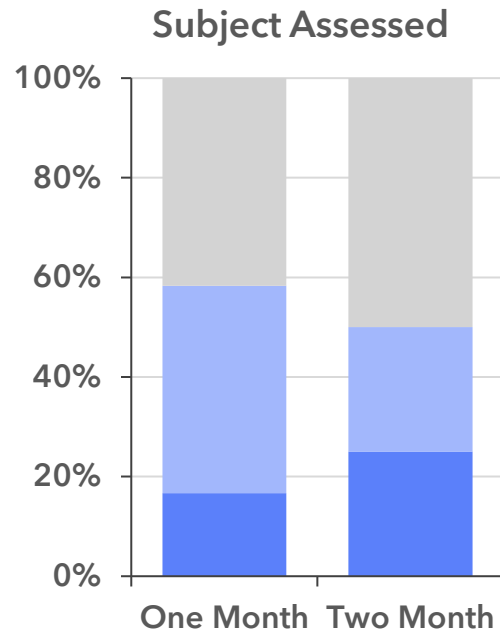
Localized, Related or Possibly Related Adverse Events*				
	Grade 1	Grade 2	Grade 3	Grade 4
Dryness	2	0	0	0
Erosion	0	2	0	0
Itching	6	0	0	0
Pain	2	6	0	0
Swelling	13	21	0	0
Texture	2	0	0	0
N	25	29	0	0

Possibly related or related systemic AE reported in 2 subjects:
headache, chills, muscle aches (n=1 each)

Clear and Clinically Meaningful Improvements in Lateral Canthal Lines

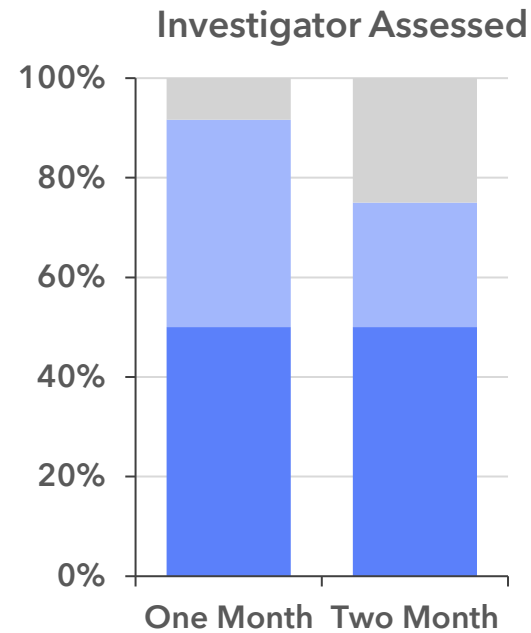
GAIS Results for Wrinkles / Lines

- +2 Point = (Much) Improved
- +1 Point = Somewhat Improved
- 0 Point = No Change
- -1 Point = Somewhat Worse
- -2 Point = (Much) Worse



Follow Up Period
After Treatment

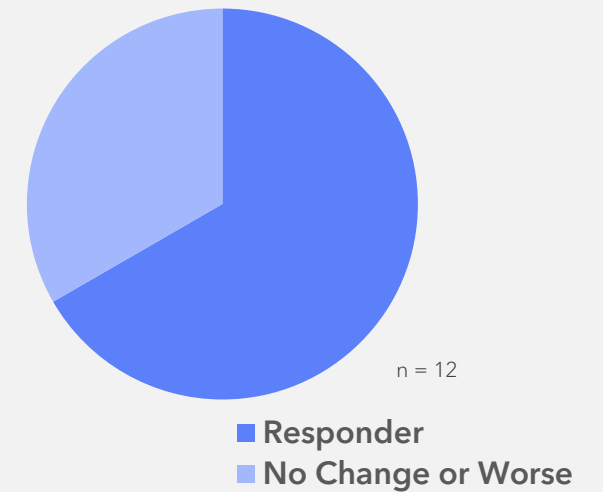
n = 12 for each timepoint



Follow Up Period
After Treatment

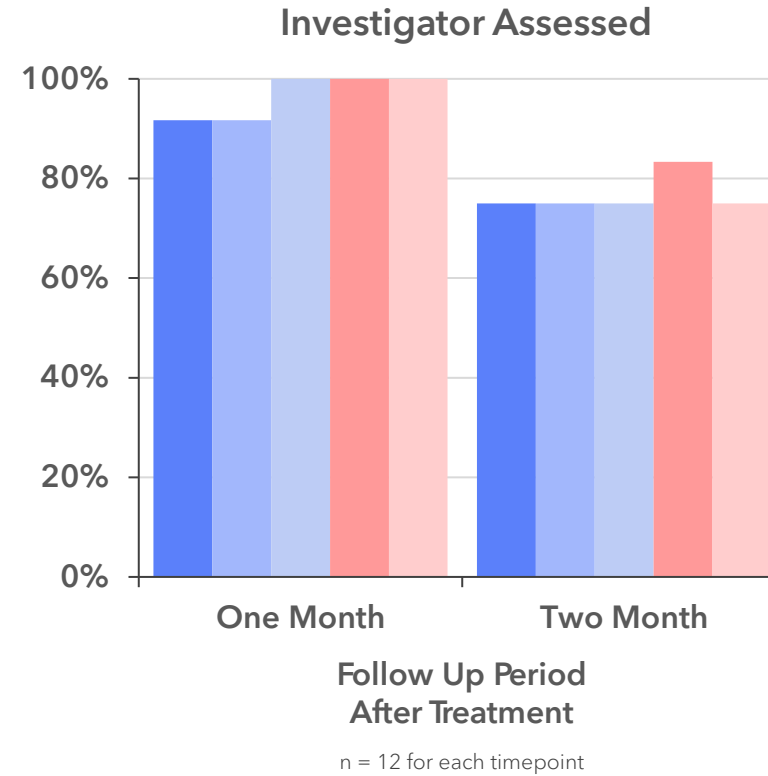
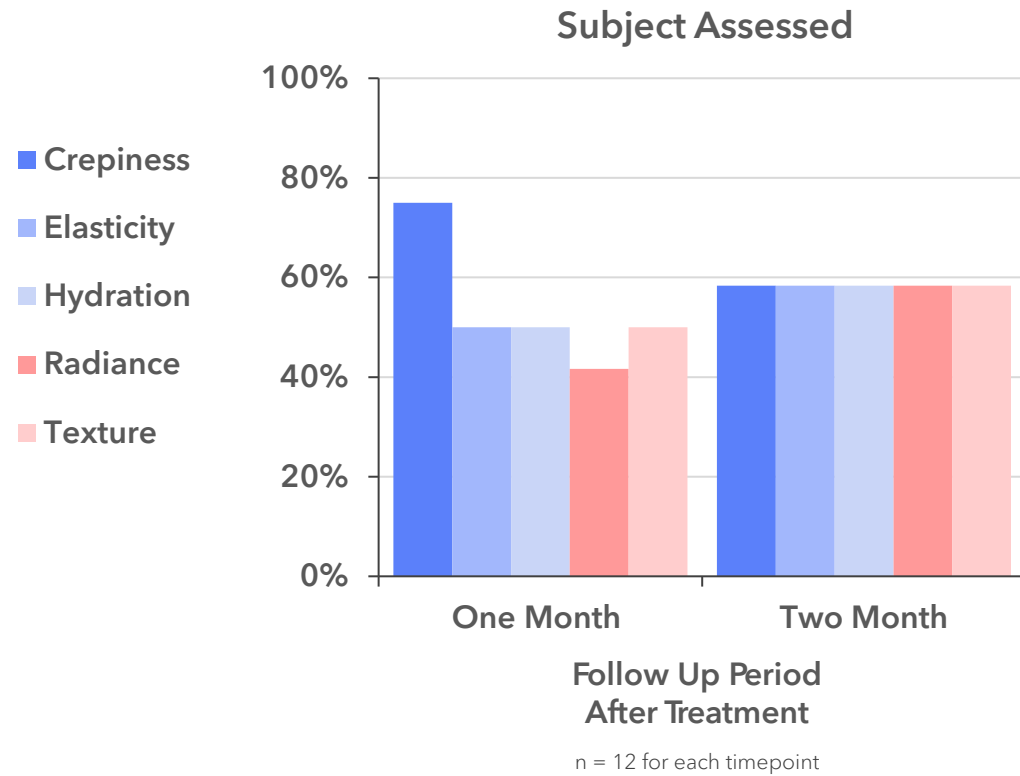
n = 12 for each timepoint

Subject Satisfaction Responder Rate* Lateral Canthal Lines; Two Month Follow Up

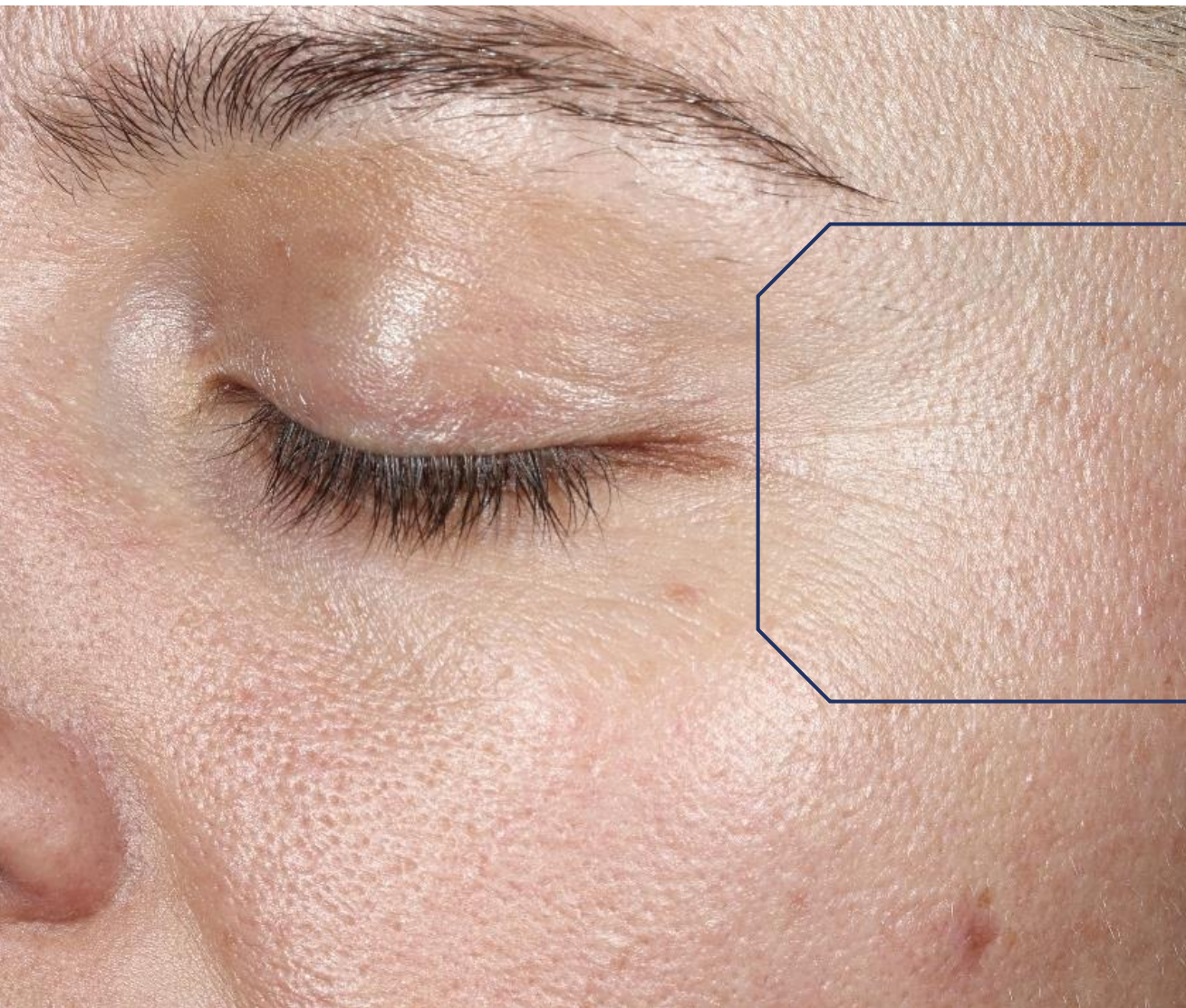


Improvements Also Observed Across Multiple Other Skin Attributes

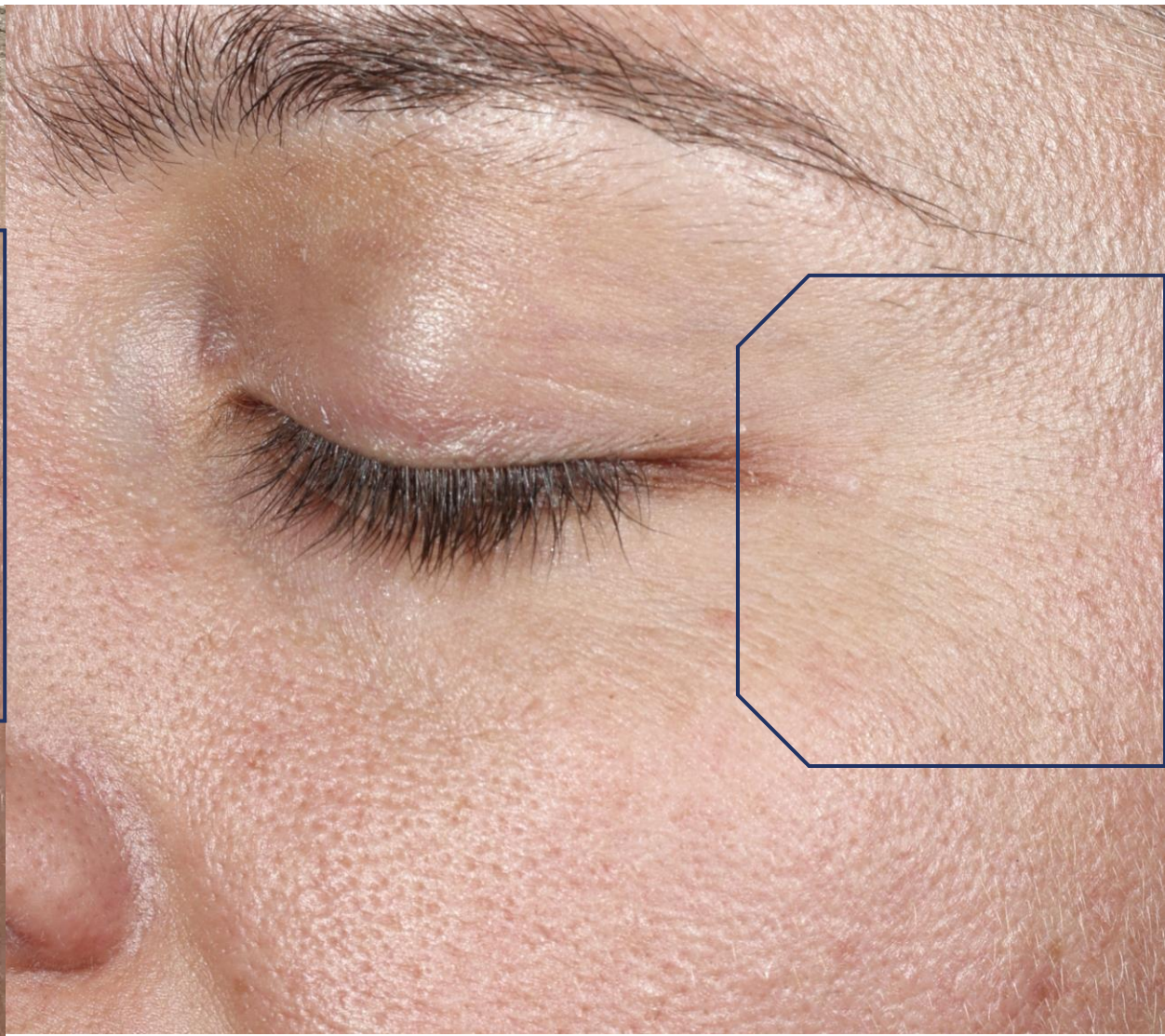
GAIS Responder Rates* by Attribute



Lateral Canthal Lines Before and After Images



Baseline

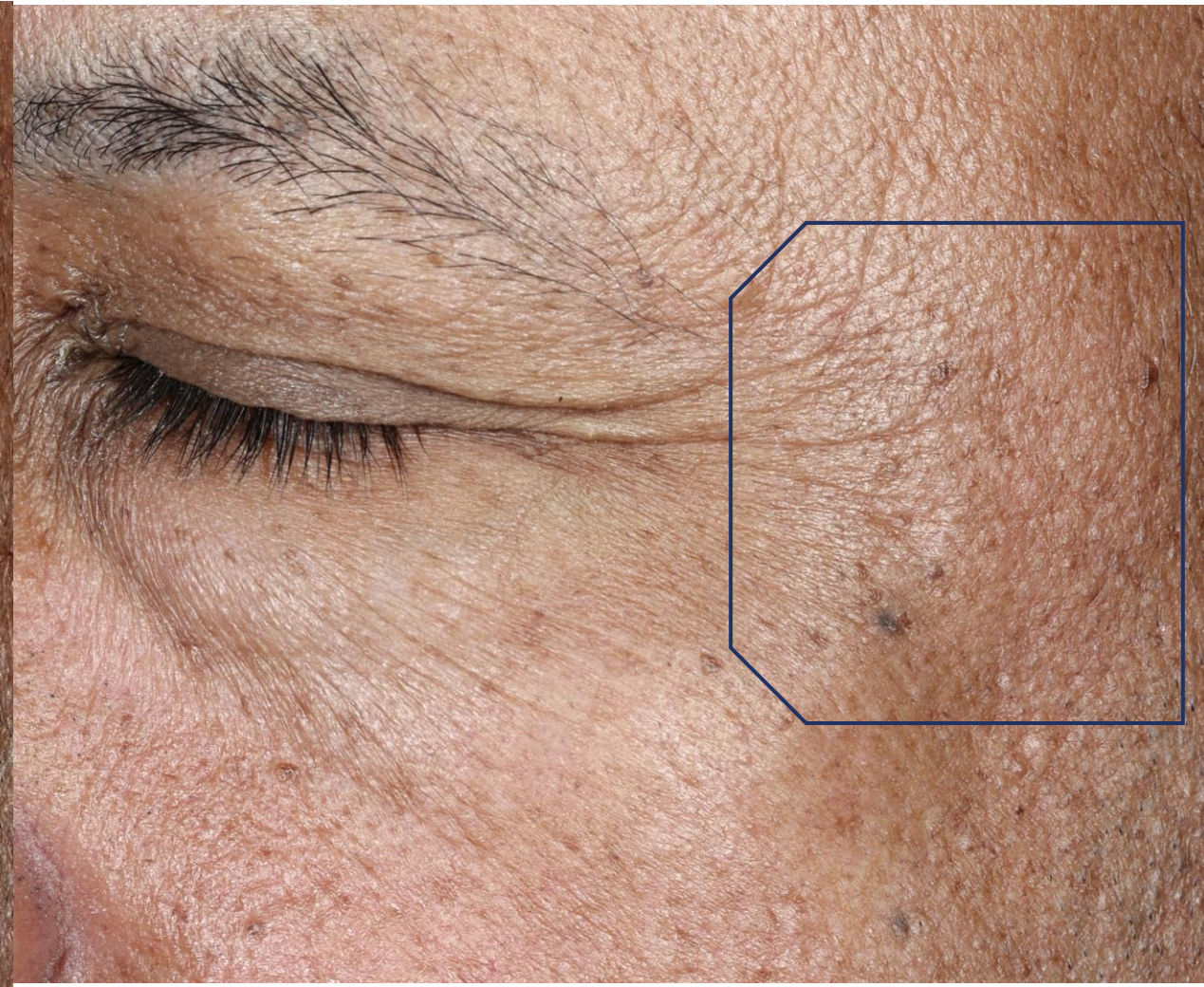


Two Month Follow Up

Lateral Canthal Lines Before and After Images



Baseline



Two Month Follow Up

PEARL-I Cohort 4 Evaluating KB301 in Dynamic Wrinkles of the Décolleté

Study Objective and Design

- Multicenter, open-label study evaluating KB301 for the improvement of dynamic wrinkles of the décolleté in adults
- Key study objectives were safety and preliminary efficacy as assessed by investigator and subject, as well as images; surveys for efficacy assessment included
 - **Investigator and Subject:** 5-point Global Aesthetic Improvement Scale (GAIS)
 - **Subject Only:** Subject Satisfaction Questionnaire (SSQ)
- Key exclusion / inclusion criteria
 - Adults up to 75 years of age, Fitzpatrick phototype score I-IV
 - No skin conditions or aesthetic treatments in décolleté region, last 6 months

Study Population

- 20 subjects enrolled and 18 assessed through two month follow up
- Assessed subjects:
 - Median 60 years of age (range = 42 to 74 years), all female
 - All received high dose KB301 with standard syringe

Abbreviated Treatment and Assessment Schedule for Interim Readout

Treatment Visits

- Image Capture
- Subject and Investigator Assessments
- Weekly Treatments



One Month Follow Up

- Image Capture
- Subject and Investigator Assessments



Two Month Follow Up

- Image Capture
- Subject and Investigator Assessments

Interim Safety Findings in the Décolleté Region

KB301 generally well tolerated with no adverse change in safety profile upon repeat dosing

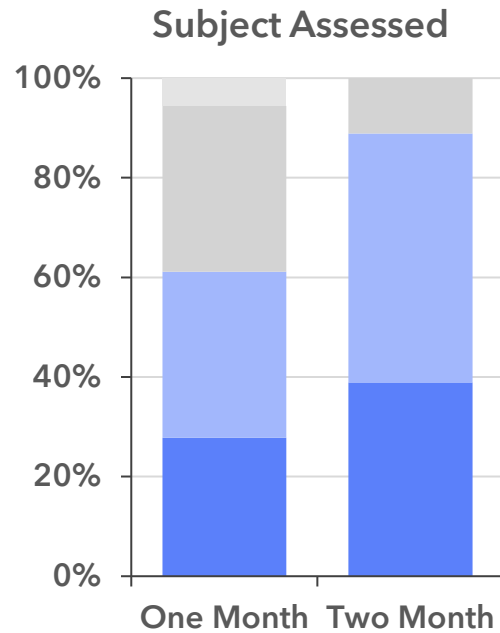
Localized, Related or Possibly Related Adverse Events*				
	Grade 1	Grade 2	Grade 3	Grade 4
Bumps	14	1	0	0
Burning	1	0	0	0
Discomfort	0	1	0	0
Edema	1	0	0	0
Hypersensitivity	2	0	0	0
Itching	20	5	0	0
Pain	12	3	0	0
Redness	26	5	0	0
Swelling	2	3	0	0
Tenderness	12	0	0	0
Tightness	0	1	0	0
N	90	19	0	0

Possibly related or related systemic AE reported in 4 subjects: chills (n = 3), headache, muscle aches, dizziness, vomiting, swelling of hands (n=1 each)

Profound Improvements Increasing With Time in the Décolleté

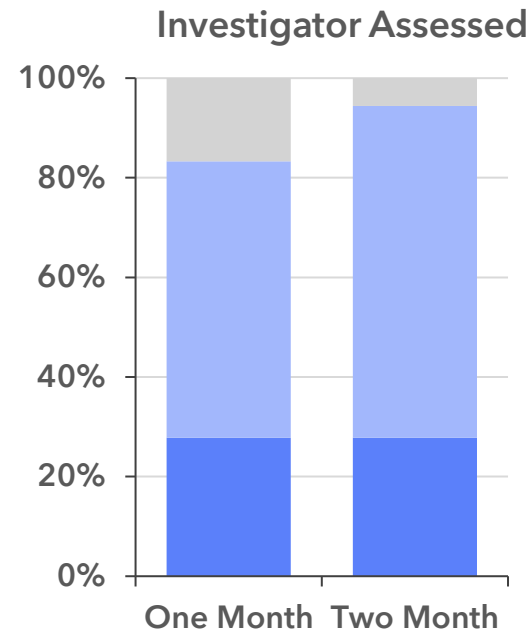
GAIS Results for Wrinkles / Lines

- +2 Point = (Much) Improved
- +1 Point = Somewhat Improved
- 0 Point = No Change
- -1 Point = Somewhat Worse
- -2 Point = (Much) Worse



Follow Up Period
After Treatment

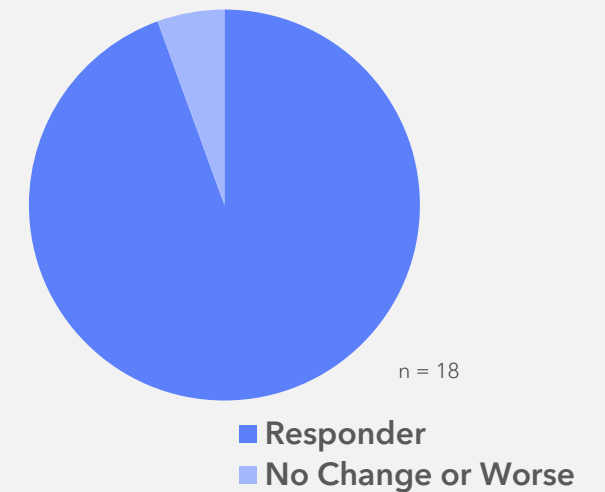
n = 18 for each timepoint



Follow Up Period
After Treatment

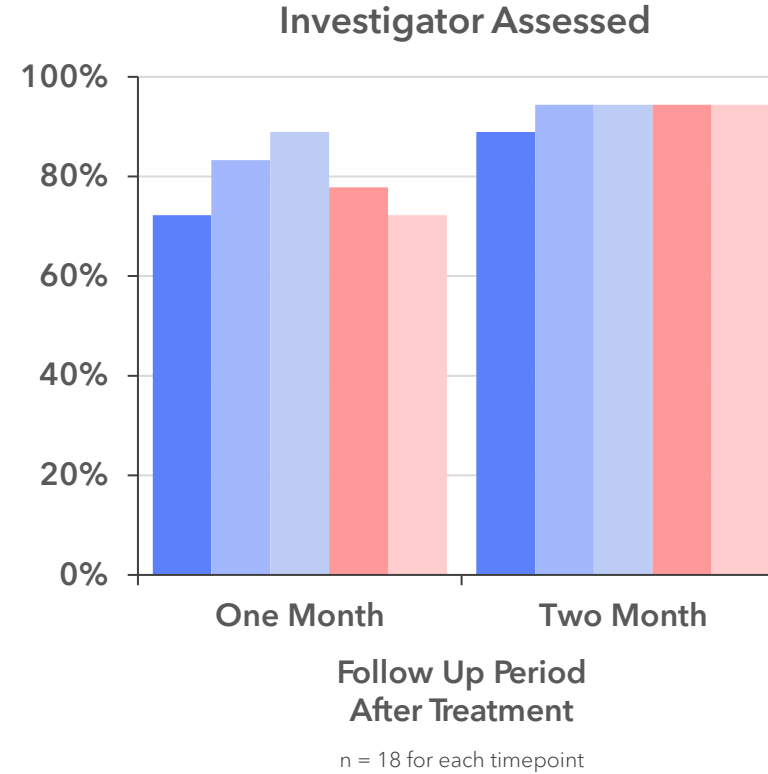
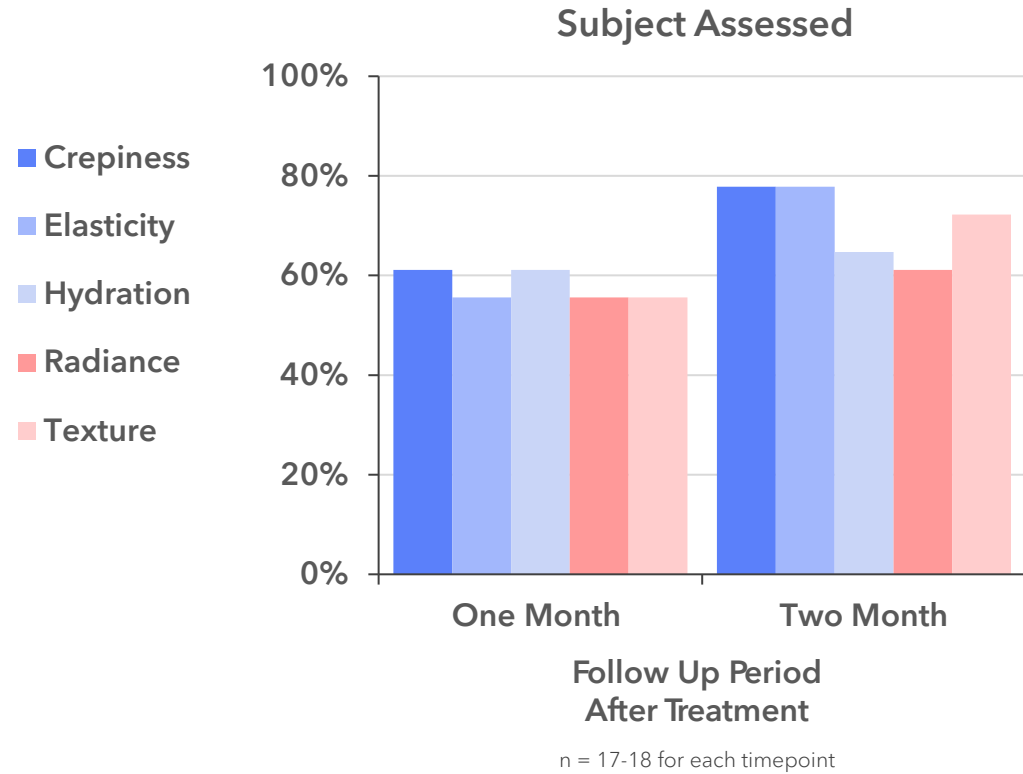
n = 18 for each timepoint

Subject Satisfaction Responder Rate* Dynamic Wrinkles; Two Month Follow Up

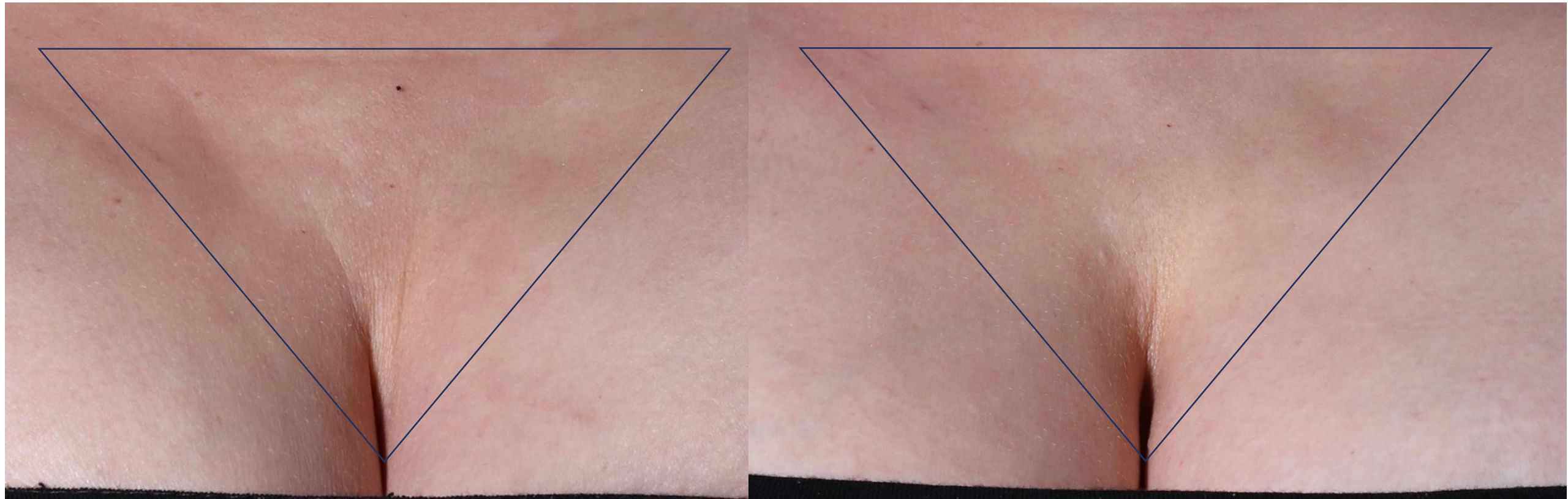


Again Seeing Improvements Across Multiple Other Skin Attributes

GAIS Responder Rates* by Attribute



Décolleté Before and After Images



Baseline

Two Month Follow Up

Décolleté Before and After Images

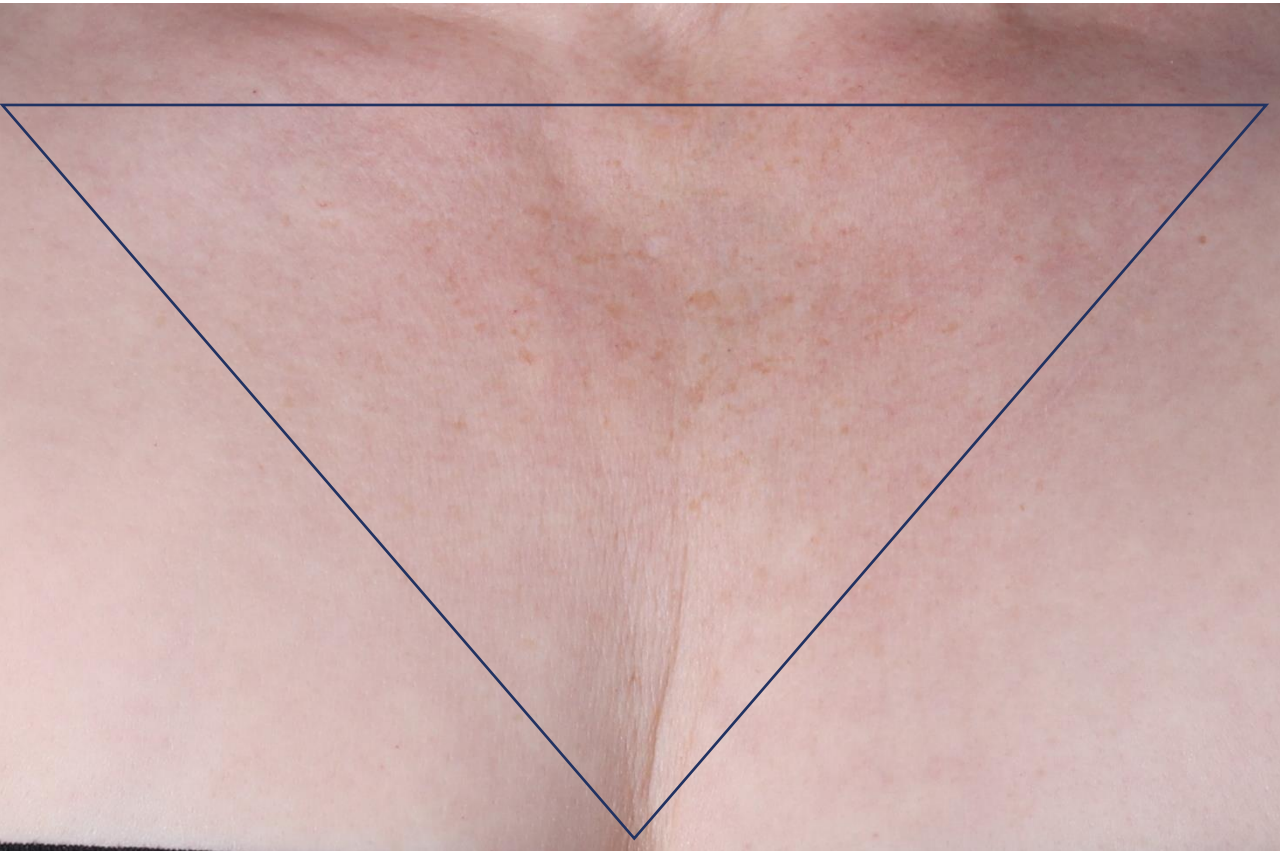


Baseline



Two Month Follow Up

Décolleté Before and After Images



Baseline



Two Month Follow Up

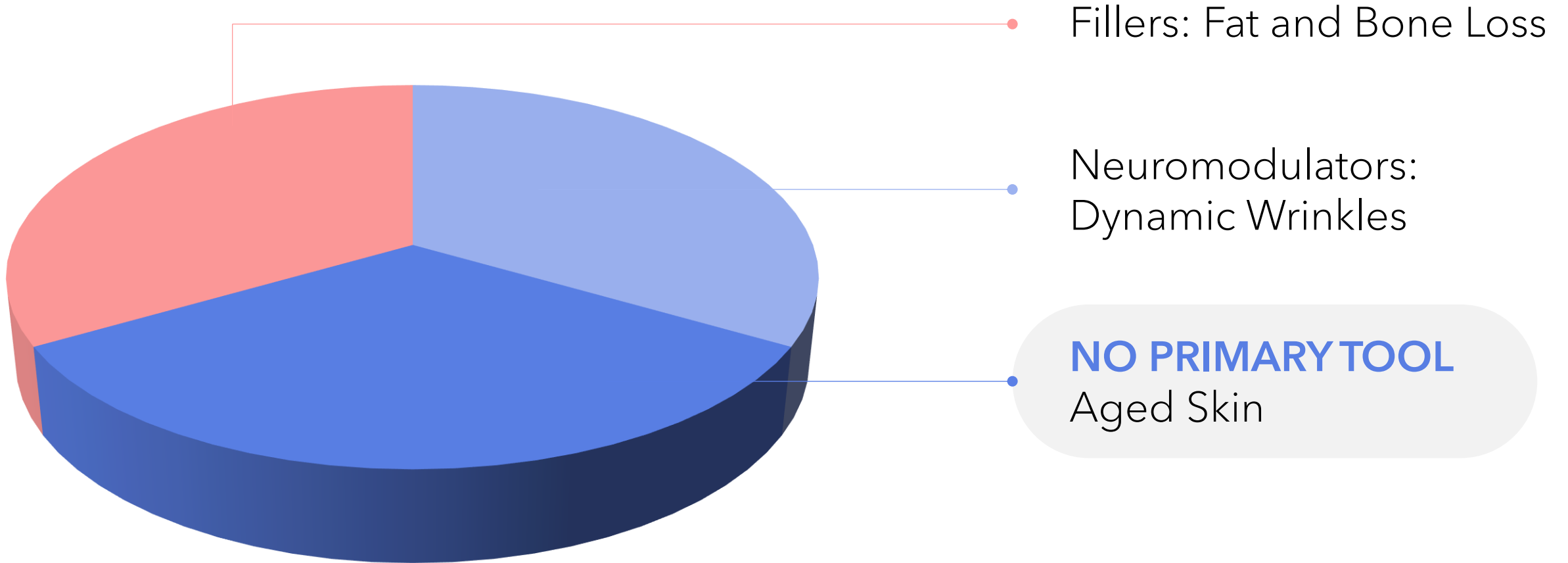


Next Steps and Market Opportunity

Next Steps for KB301

- Select indication for Phase 2 development - *completed, décolleté selected*
- Develop KB301-specific scale and assessment tool for patient report outcomes
- Initiate Phase 2 development - *target study start 2025*

No Primary Aesthetic Tool Addresses Aged Skin



Ideal Primary Tool for Skin Rejuvenation



Jeune
Technology



Address Root
Cause of Skin
Aging



Jeune
Technology



Injected with
Standard
Syringes and
Needles



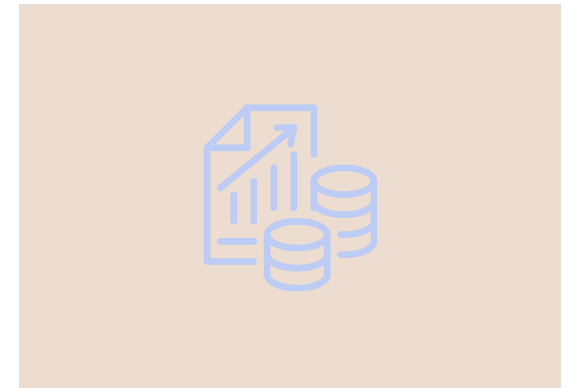
Jeune
Technology



Shipped and
Stored like other
Injectables



Jeune
Technology



No Capital
Equipment
Investment

Significant Existing Consumer Demand



4.5M Aesthetic Injection Consumers Globally¹

No FDA Approved Aesthetic Injectables for the Décolleté

VOGUE The Décolleté: New Emphasis is Being Given to Keeping the Area as Fresh as your Face²

¹ International Society of Plastic Surgery, Global Survey, 2022. Consumer number calculated from global neurotoxin procedures divided by two
² [The Best Anti-Aging Chest and Décolletage Products and Derm Treatments | Vogue](#)

Significant Market Expansion Trends

Growing Skin Rejuvenation Market¹

WW Annual Expenditure

\$24.6B 2023
\$44.5B 2030

Prejuvenation²

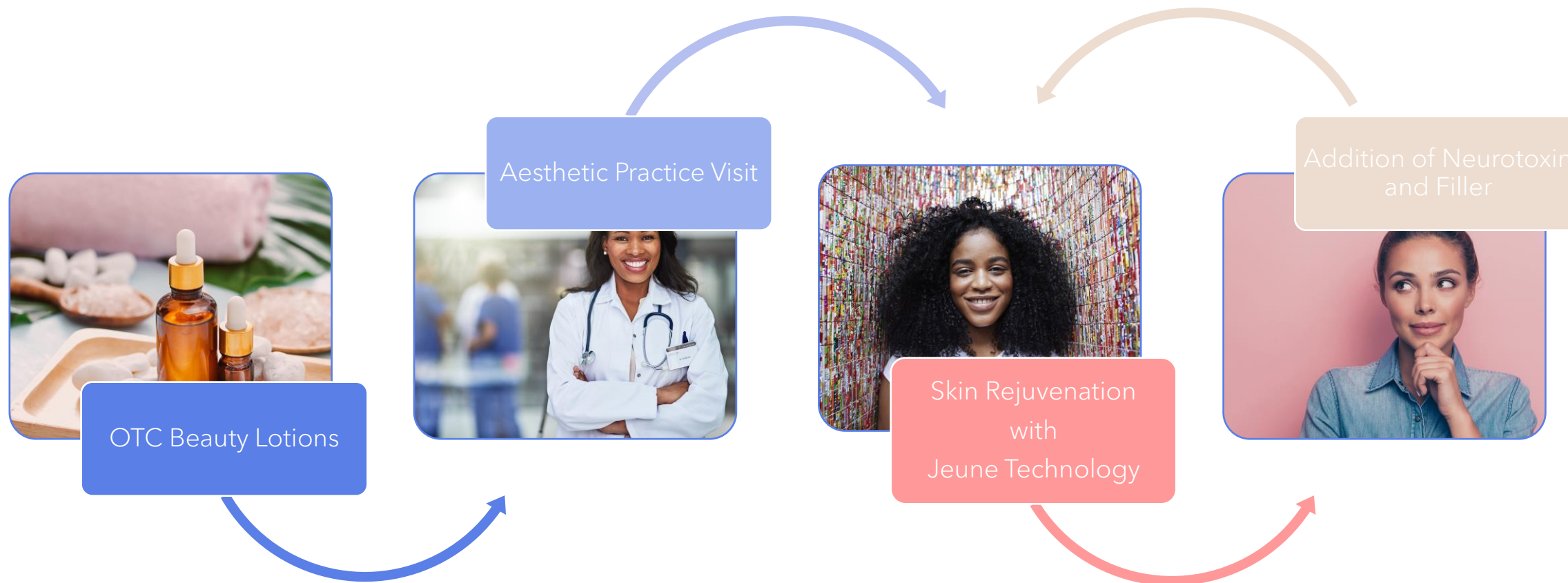
Growth of Minimally Invasive Procedures in Millennials

Gen Z is 22% of Global Population

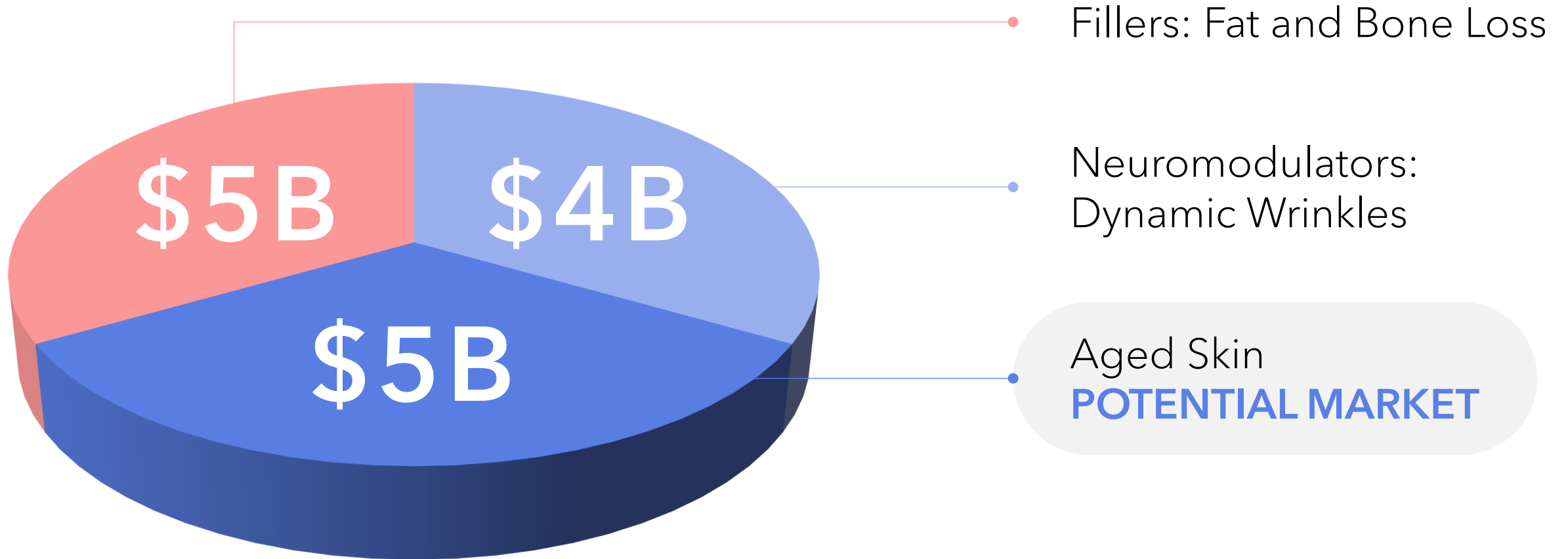
Increasing Demand due to GLP-1 Accelerated Skin Aging³

Collagen and Elastin Damage in Skin due to Significant Weight loss

Projected Aesthetic Treatment Ladder



Market Size



Deep Pipeline Targeting Priority Extracellular Matrix Proteins Including Elastin

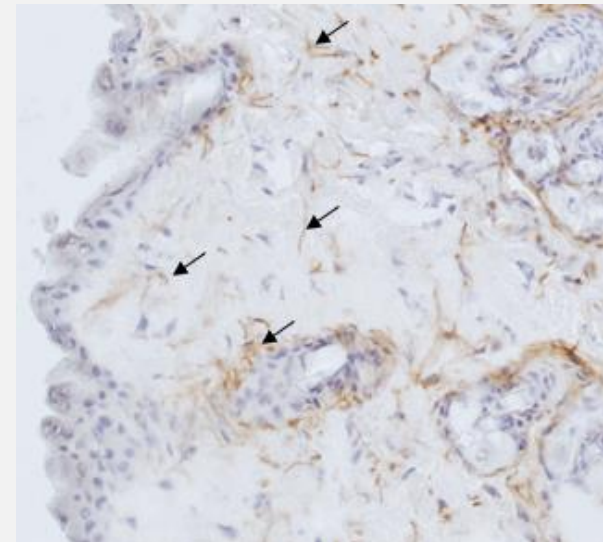
Jeune Aesthetics Pipeline

PROGRAM	INDICATION	PAYLOAD	PRE-CLINICAL	PHASE 1	PHASE 2
KB301	Dynamic Wrinkles of the Décolleté	Type III collagen (COL3)	[Progress bar spanning Pre-clinical, Phase 1, and Phase 2]		
KB303	TBD	elastin (ELN)	[Progress bar spanning Pre-clinical and Phase 1]		
KB304	TBD	COL3 + ELN	[Progress bar spanning Pre-clinical and Phase 1]		
KB302	TBD	Type 1 collagen (COL1)	[Progress bar spanning Pre-clinical]		
KB305	TBD	Type IV collagen (COL4)	[Progress bar spanning Pre-clinical]		

KB303 for the Delivery of Elastin

- Late preclinical stage program with data package to support progression into clinic for treatment of skin elasticity loss
 - Transduction and elastin secretion by skin cells *in vitro*
 - Expression and elastin fiber formation confirmed in both young and aged mice treated with KB303
- KB304 combination vector is also in advanced preclinical development

KB303 Treated Mouse Skin



Human Elastin Immunohistochemistry

Arrows denote human elastic fibers

Long Term Strategic Vision for Jeune

- Krystal well-positioned to rapidly advance KB301 through value-creating Phase 2 milestones
- As KB301 progresses in the clinic, need for dedicated resource and commercial aesthetics expertise will grow
- Jeune was purpose-built as wholly owned subsidiary to allow optionality for spin-out or partnership during clinical development



Vision: Creating a new segment of fundamentally rejuvenative aesthetics built on Krystal's proprietary gene delivery platform



Closing and Q&A