



OVERAGE[®]
purest hyaluronic acid



Hyaluronic acid and cosmetology



Hyaluronic acid was discovered in 1934 and since then has held numerous and in-depth research, which resulted in a managed biotechnological synthesis of hyaluronic acid of high purity and its successful application in medicine (ophthalmology, traumatology, cosmetic surgery). But a truly large and recognized use it is found in cosmetic surgery — in the rejuvenation and aesthetic correction. The unique physico-chemical properties of hyaluronic acid cause predictable, effective and safe results, and the interest of skin professionals all over the world. And today, these methods use hyaluronic acid as biorevitalization, correction of wrinkles, contouring and volumization are essential in the daily practices. The scope and dynamics of growth is truly impressive: in 2013 the world was made in more than 4 000 000 of such procedures and annual growth rate of 10-13%¹



Overage and medical aesthetic company Mesotech®



Mesotech® is a medical aesthetic company specialized in the design and manufacturing of a whole list of medical devices for aesthetic medicine and ophthalmology. Quality and customer focus are priorities in the activities of the company. Safety is the key criterion for quality of a medical product, so the production and the company are certified according to the standards of GMP, ISO 9001-2008, ISO13485, Directive 93/42/EC (European quality certificate). Preparations of hyaluronic acid available under the trademark Overage — the brand that embodies the standards of cleanliness and efficiency available in injectable cosmetic surgery. Founded in 2009 in Naples (Italy), the Mesotech company supplies its products today in several countries. Original features and comparative benefits of Overage provided them a decent and successful dissemination.

¹According to "Plastic surgery statistics report 2013. ASP, 2014"

The classic range. Selection for all occasions aesthetic correction. Proven by time and experience formula improved in structure.

✓ **Universal range, a convenient choice for all the cases and every day**

Overage is a classic formula, proven by time and experience, providing the doctor a universal set for all levels and tasks of aesthetic correction, without extra positions and supplements. Thanks to the consistent logic of the property line of fillers Overage, they could complement each other in one procedure, correcting esthetic problems of your patient's overall and specific area separately.

✓ **Pharmaceutical standard of purity**

microbiological purity and biocompatibility is an absolute requirement for injectable drugs, however, pharmaceutical standard involves higher requirements and monitor their compliance from the original forms and to the use of drugs, including syringes and needles. This is included in the production of the company Mesotech for hyaluronic acid preparation for surgical ophthalmology.

✓ **Good biointegration and biocompatibility**

due to low molecular weight molecules of native hyaluronic acid (Overage Meso) is consistent physiologic diffusion of the stimulating effect in the tissues. Multi-structural set of stable gel particles provide a comfortable biointegration of the drug in the injection area, the delicate distribution in tissue layers, good plastic contouring. And the presence of all fillers small percentage of native HA high concentration contribute to the reduction of post-procedural inflammatory response, has a lifting effect and ensures a good extrusion through a needle and the cannula.

✓ **High concentration and low molecule weight**

evolution of drugs hyaluronic acid goes towards the creation of physiologically correct preparations with prolonged action. And these requirements corresponds to the Overage Meso: biorevitalizing-skybuster that provide strong stimulation of the structures of the extracellular matrix and long-lasting hydration der we. This is the distinguishing feature of the revitalizant-skybuster, which is especially important for rejuvenating the sensitive areas, thin skin, the scar correction acne and prolongation of the action of fillers.

Biorevitalizing-skybuster: high concentration of low molecular weight = pronounced 3D effect

It has been proved that low molecular weight hyaluronic acid possesses a better diffusion in the tissues by stimulating differentiation of cells, restoration of extracellular matrix and moisture balance of the skin:

- the proliferation of fibroblasts
- neocollagenesis
- angiogenesis
- prevention of dermatopathy
- the resynthesis of endogenous hyaluronic acid

The combination of high concentrations and small molecular weight allowed to achieve deep uniform and pronounced aesthetic effect (tightening and thickening of the dermis, correction of microrelief and wrinkles, reduce medium wrinkles), tangible improvements in functional status (normalization of moisture, improving elasticity)²

The relatively small size of the molecule hyaluronic acid (1100 Da) is more physiological for the tissues, providing a natural uniform diffusion in the intercellular matrix and minimizing trauma to the dermal layers. This gives the drug a generic purpose, ie, it is ideal for all skin types. Of particular relevance is the application of thinning for atonic skin and delicate areas such as the infraorbital region. These cases are the best indications/areas of injection for the specified drug.

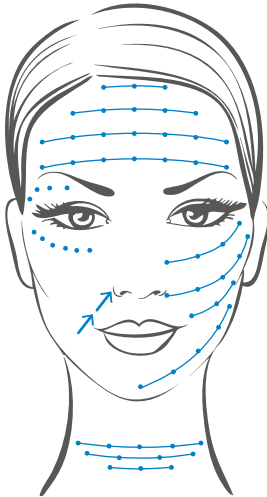
High concentration of hyaluronic acid: 2,3% or 23mg/ml. Causes a rapid, pronounced and persistent regenerative stimulation of the dermis. Due to efficient diffusion of the drug in the tissues due to the small molecular size, pronounced stimulatory effect is distributed evenly and deeply through all layers of the dermis. The high concentration of the drug determines the duration and durability of effect. Thus we obtain a more physiological distribution of the drug in tissues, in comparison with analogues with larger molecule and thus the most important long-term stimulatory effect and pronounced aesthetic results. These are the characteristics inherent in the class biorevitalization — skybusters.

² "Low Molecular Weight Hyaluronic Acid: Its Effects on Epidermal Gene Expression & Skin Ageing":
M. Farwick et al, SOFW-Journal | 134 | 11-2008

Prolonged stimulation of the skin restoring structure and content

The drug's indications:

- ↑ Slim loose skin (restoration of natural density)
- ↑ Flabby atonic skin (restoring lost structure and turgor)
- ↑ The biostimulation (3D-revitalization)
- ↑ The pronounced signs of early skin aging
- ↑ Fine-wrinkle type of aging
- ↑ Therapeutic prevention of appearance of fine lines and wrinkles
- ↑ Small scars and post-acne condition
- ↑ The need for alignment of the micro relief of the skin
- ↑ Rejuvenation and therapy areas with thin skin (periorbital area, neck and décolleté)
- ↑ As an effective component in a comprehensive cosmetology programs



Technique and depth of insertion with the use of needles:

- ↑ Papula: at an angle of 30 degrees to a depth of 2 mm
- ↑ Micro-papula: at an angle of 15 degrees to a depth of 0.5 mm
- ↑ Micro-tank: at an angle of 45 degrees to a depth of 3 mm
- ↑ Retrograde technique: at an angle of 30 degrees of 2 mm

Technique and depth of insertion with the use of cannula:

- ↑ Linear fan hypodermal

ZONE INTRODUCTION

face
—
neck
cleavage area
earlbes
body zones
hands

Composition:	non-stabilized hyaluronic acid
Concentration:	2.3% or 23mg/ml
Molecular weight:	1 100 000 Da
Needle:	30G 2 pcs
Packaging:	syringe 1,0 ml



Biphasic plastic fillers
with multicomponent structure
perfect for a natural correction

Classic versatility



All three fillers designed for the correction of all types of aesthetic problems in all types of patients and your everyday practices. Based on the classic formula of hyaluronic acid, studied many years of practical experience, without unnecessary additives — helps the doctor in an easy and confident choice. Differentiated cross-linking (stabilization) of each drug determines the severity of the drug, which is necessary for accurate selection of the desired drug for specific indications and areas of introduction.

High safety



This is an exceptional requirement for any filler. The Overage line of products meets the highest standard of cleanliness injectable drugs — pharmaceutical, meaning a high degree of purification (level of residual bonding agent BDDE not more than 0.5 ppt and the absence of endotoxins and proteins)³. Drugs monophase, i.e. were stable 1, in order to reduce the toxicity of drugs. Careful process clearing of residual BDDE single and provide stabilization in the amount of good tolerance of the drug, physiologically correct degradation, no toxic, allergenic reactions and late complications that can occur with the accumulation of stabilizing agent in the body.

Comfortable integration of bio and natural correction



Thanks to the full-size structure, the filler provides a comfortable and more physiologic tissue distribution, completely filling all layers of fabric. Drug soft plastic and adapts well in the injection zone, which is convenient to the doctor for the simulation. The presence of a small amount of unstabilized GK minimizes inflammatory reaction, good extrusion⁴ and the decrease in the activity of proteinases that destroy collagen⁵.

Isovolumic degradation



Due to the multicomponent structure (variable composition of particlesize of the gel for each drug) and high concentration of hyaluronic acid, fillers Overage isovolumic characteristic of degradation — volume stable support aesthetic effect during the entire term of the splitting of hyaluronic acid.

³ "A Review of the Metabolism of 1,4-Butanediol Diglycidyl Ether – Crosslinked Hyaluronic Acid Dermal Fillers": K. De Boulle et al., Wiley Periodicals, Inc., Dermatol Surg 2013;39: 1758–1766

⁴ "Evaluating the effectiveness of hyaluronic acid in the treatment of osteoarthritis from the standpoint of evidence-based medicine": author — Suchshuk E. A., edited by: Krayushkin S. I., Volgograd

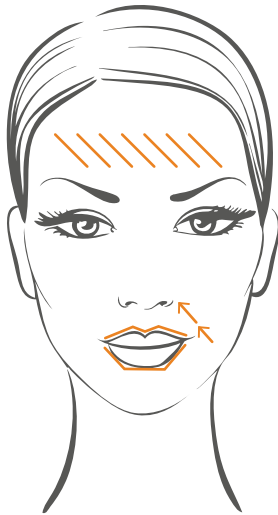
⁵ "Hyaluronate inhibits the Interleukin-1beta-Induced Expression of MMP – 1 and MMP – 3 in Human Synovial Cells", Sasaki A et al



Perfect for superficial wrinkles and sensitive areas

Indicate to:

- ↑ correction of superficial and medium-depth wrinkles, lines of expression
- ↑ reinforcement and vector lifting
- ↑ works with the contour of lips correction of natural, natural appearance
- ↑ reinforcement and rejuvenation of the cleavage



Technique and depth of insertion with the use of needles:

- ↑ Retrograde technique: at an angle of 30 degrees

Technique and depth of insertion with the use of cannula:

- ↑ Radial or linear introduction to the depth of the hypodermis or periosteal

ZONE INTRODUCTION

- face
-
- neck
- decollete area
- body zones

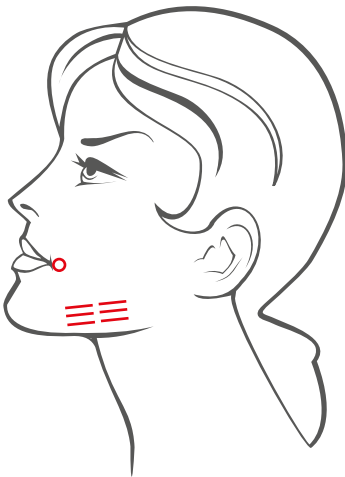
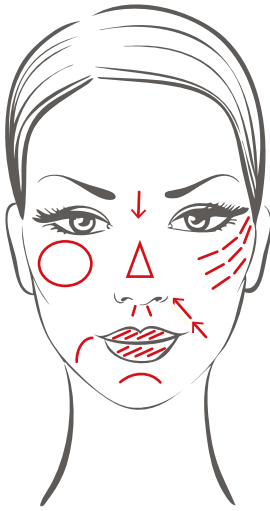
Concentration:	2.3% or 23 mg/ml
Polycomponental (particle size hyaluronic acid mm):	from 0.15 till 0.28
The number of particles of hyaluronic acid in ml of the drug:	~200 000
The density (degree of stabilization):	+++
Needle:	27G - 2 pcs
Packing:	syringe 1,0ml – 1 pcs



Universal filler and natural volumization

Indicate to:

- ↑ create a naturally flowing volume
- ↑ natural filling regions minus-tissue
- ↑ perfect filling of medium-deep and deep wrinkles and folds
- ↑ correction of nasolabial
- ↑ strengthening of tissues in the reinforcement
- ↑ correction of the lip's volume
- ↑ correction of nose shape



Technique and depth of insertion with the use of needles:

- ↑ Retrograde technique: at an angle of 30 degrees

Concentration:	2.3% or 23 mg/ml
Polycomponental (particle size hyaluronic acid mm):	from 0.28 till 0.50
The number of particles of hyaluronic acid in ml of the drug:	~ 100 000
The density (degree of stabilization):	++++
Needle:	27G - 2 pcs
Packing:	syringe 1.0ml – 1 pcs

ZONE INTRODUCTION

face zone

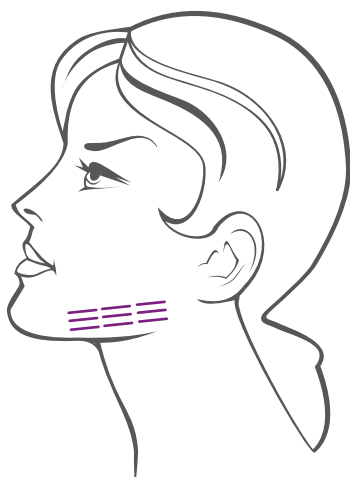
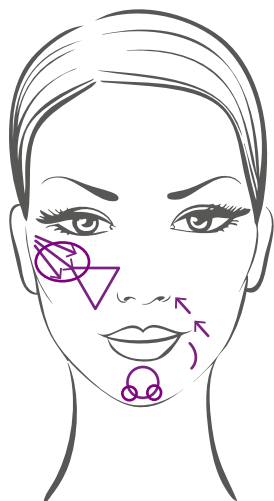
—
contour and volume correction
deep wrinkles



The desired volume with long-lasting results

Indicate to:

- ↑ recreate lost volumes
- ↑ modeling of the face's architecture
- ↑ correction of wrinkles and folds
- ↑ support and lifting heavy for reinforcement of tissue structures
- ↑ correction of gravitational ptosis
- ↑ restoration of facial contours



Technique and depth of insertion with the use of needles:

- ↑ Retrograde technique: at an angle of 30 degrees, hypodermal (deep dermis)

Technique and depth of insertion with the use of cannula:

- ↑ Radial or linear introduction at the level of the hypodermis or periosteal

Concentration:	2.3% or 23 mg/ml
Polycomponental (particle size hyaluronic acid mm):	from 0.50 till 1.25
The number of particles of hyaluronic acid in ml of the drug:	~10 000
The density (degree of stabilization):	+++++
Needle:	26G – 2 pcs
Packing:	syringe 1.0 ml – 1 pcs

ZONE INTRODUCTION

face zones
—
chin
the lower jaw
cheekbones



Overage drugs: indications and selection drugs






Biorevitalization					
Biorevitalization	Face	●			
	Neck	●			
	Neckline	●			
	Hands	●			
Correction of wrinkles and folds					
Surface wrinkles	"Crow's feet"		●		
	Nasolacrimal groove		●		
	Purse-string wrinkles		●		
	Forehead, bridge of nose		●		
	Neck, neckline		●		
Medium depth wrinkles	Forehead, bridge of nose		●	●	
	Nasolabial folds			●	●
	Line of "puppets"			●	●
	Corners of the mouth		●	●	
Deep wrinkles	Chin-lip		●	●	
	Nasolabian folds				●
	Line of "puppets"				●
Correction of lips	Emphasizing the outlines		●		
	The increase in young			●	
	The increase in age			●	
	"The Cupid's bow"		●		
Correction of volume					
Correction of volume	Eyebrows			●	●
	Temple			●	●
	Microcolony furrow				
	Infraorbital sulcus		●	●	
	Cheekbones			●	●
	Cheeks			●	●
	Nose			●	
	Columns of the filtrum				
	Chin				●
	Contour of the lower jaw				●
	Earflap				
	Back of the hands	●			
Correction female intimate zone					
	Intimate contour plastic			●	



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Mesotech is innovative company, specialized in providing skin care and beauty solutions from the conception to the manufacturing of devices for aesthetic medical field. Customer satisfaction and quality are the main priorities for our staff. We develop our range relying on an ongoing dialogue with our customers.

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