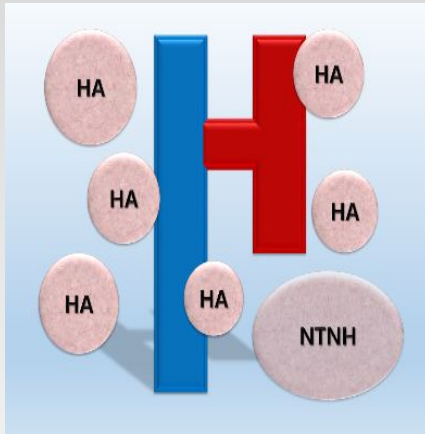




*CL Tox*  
— Skin BOTOX

## Comparative Data for Core material

### Toxin Complex



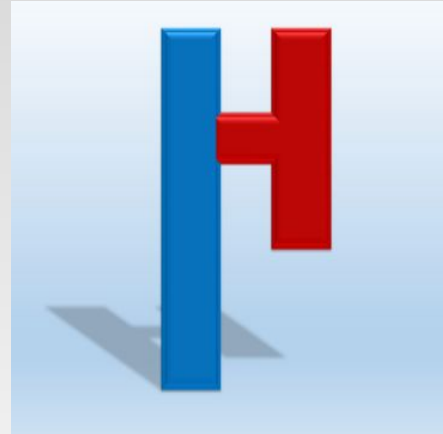
Heavy chain  
Light chain

Hemagglutinin,  
Non-toxin  
NonHemagglutinin

**BOTOX**  
(Allergan, USA)

Molecular weight :  
**900KDa**

### Pure Toxin

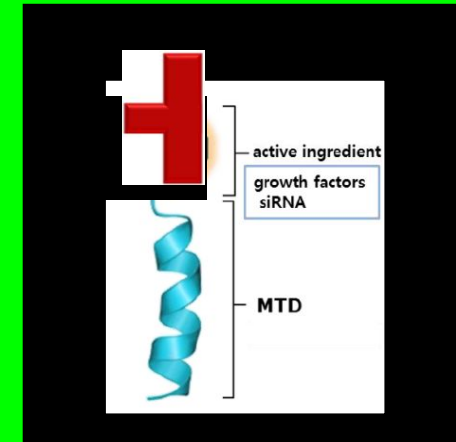


Heavy chain  
Light chain

**XEOMIN**  
(Merz, GERMANY)

Molecular weight  
: **150KDa**

### Botulinum Polypeptide-1



Light Chain  
+ MTD

**BOTOX EFFICACY PARTS**  
+  
Macromolecule  
Transduction Domain  
Protein recombination

Molecular weight  
: **50KDa**

## CL Tox vs BOTOX

	CL Tox	BOTOX
<b>Treatment principle</b>	Inject small amount into multiple layers of skin	Inject small amount into particular place in muscle layer. Muscular paralysis
<b>Treatment area</b>	Weak elasticity skin layer of overall face	Particular area of reducing wrinkles, Muscle layer
<b>Treatment cycle</b>	2~3 month	4~6 month
<b>Effect</b>	Improving particular area of wrinkles & Skin tone	Improving particular area of wrinkles

## Advantages of CL Tox

<b>Safety</b>	Unlike Botox, which is injected to muscle layer, CL Tox is injected or infiltrated via MTS roller to skin layers with its small amount in order to get an improvement of wrinkle levels. So, CL tox is a safe from side effects such as Ptosis, as well as, possible to treat upon eyebrows or around a mouth in safety
<b>Improve wrinkle Skin resilience Pore-tightening</b>	<p>In the various way of improving skins such as wrinkle improving, skin resilience, pore-tightening and improving red blotches on skin.</p> <p>Injecting small amount of CL tox to multiple layers of skin regenerates skin cells by maximizing generation of collagen and elastin.</p>
<b>Naturalness</b>	Being Injected into skin layer, it can bring effects of skin resilience and natural lifting of skin.

## Advantages of CL Tox

<b>No resistance</b>	CL Tox is a product being combined MTD technology with extracting effective light chain from Botulinum Toxin. CL Tox can be used continuously and regularly without worry of resistance because CL Tox does not contain conjugated protein – the protein that is developing resistance whereas Botox does have conjugated protein.
<b>Easy storage</b>	CL Tox is classified as a cosmetics, so less restriction and more accessibility than a medical products. Supply can meet as much quantity as demand. CL tox is stored at dry and cool area keep out of direct sunlight.

## Side effects of CL Tox

**CL Tox is aiming to be Skin Botox**, that having Botox's good effects as well as removing the side effects of Botox like muscular paralysis. So, CL Tox has almost none of side effects.

### 1. Needle mark or Bruise around injection sites

By injection, skin can be red dots of needle marked or swollen. It will disappear in 2 or 3 days. In the severe cases, inject or take a dose of steroids.

### 2. Itching or Inflammation

CL Tox has a very rare case of causing an itching( Person who has a BOTOX allergy). Mainly it is caused by infection in poor hygienic conditions while treatment. Proper hygienic conditions is, therefore, strongly recommended.

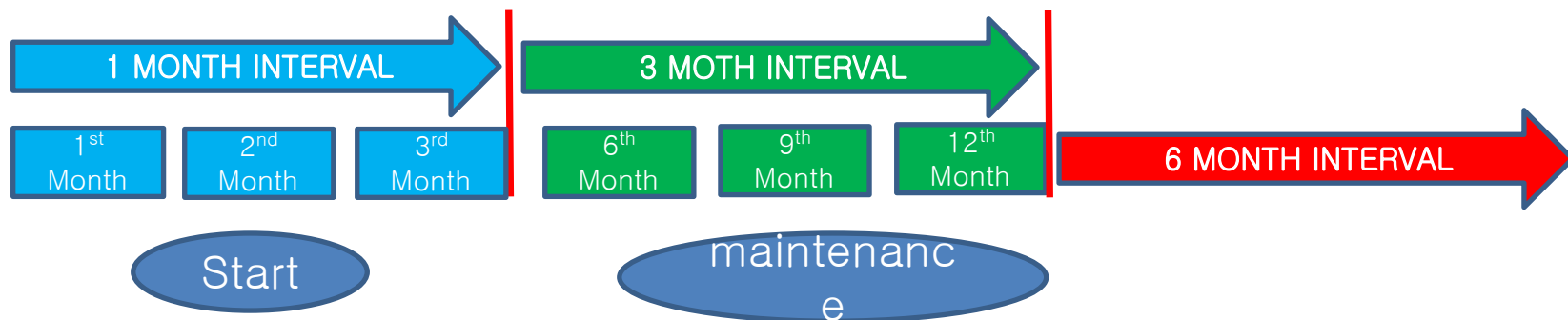
## CL tox for Microneedle Therapy System

### ★ Treatment method :

<b>Full Face</b>	(1) Infiltrating CL tox 3 cc into inner layer of skin dermis using Mesotherapy roller or Skinstamp (2) 2 times repeating treatments by below intervals are recommended for the area of needing improvement of skin tone including dark circles.
<b>Frown lines</b>	2 or 3 times repeating treatments by the intervals for the lines and the around skin.

### ★ Intervals in treatment

Wrinkle levels	Start	Maintenance
<b>Moderate</b>	1 month interval for 3 months	3 month interval for 9months, then every 6 months
<b>Severe</b>	2 week interval for 3 months	Ditto



## CL tox for Dermotoxin

★ Dilution ratio ( CL tox Ampoule, 10ml size Ampoule)

	CL tox	Normal saline	Lidicaine	DW
<b>Moderate</b>	3cc	3cc	1cc	
<b>Severe</b>	3cc	2cc	1cc	2cc

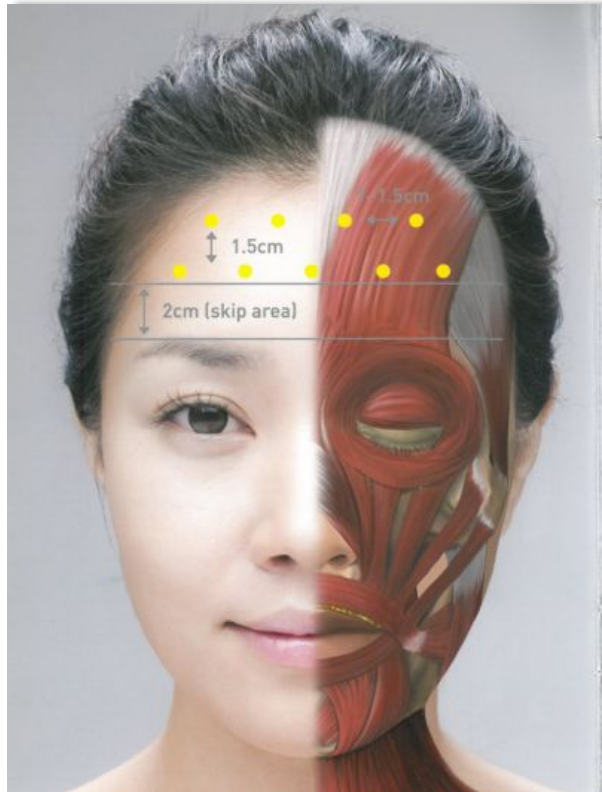
★ Dermotoxin treatment.

★ Intervals in treatment

Wrinkle levels	Start	Maintenance
<b>moderate</b>	1month interval for 3months	3 month interval for 9 months, then 6 month interval
<b>severe</b>	2week interval for 3 months	Ditto



## Guideline for (Example) Forehead Wrinkles –MTS



<b>Points</b>	<b>Starting from 2cm upon eyebrow(A finger span) Injection for 10points or MTS treatment on the forehead wrinkles</b>
<b>Total Dose</b>	<b>1cc</b>
<b>Side effects</b>	<b>Brow Ptosis -Treatment should be from upper area of 2cm upon top of eyebrow.</b>

## BEFORE/AFTER Treatment



Before

After

**BEFORE/AFTER Treatment**

**Nasolabial fold**

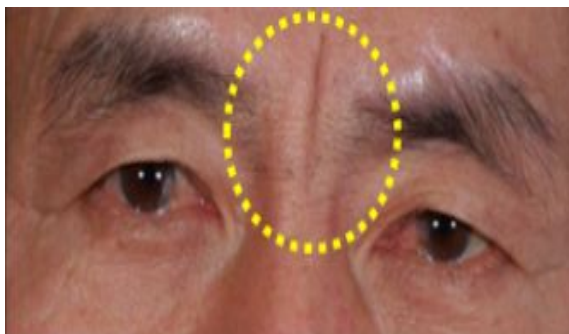
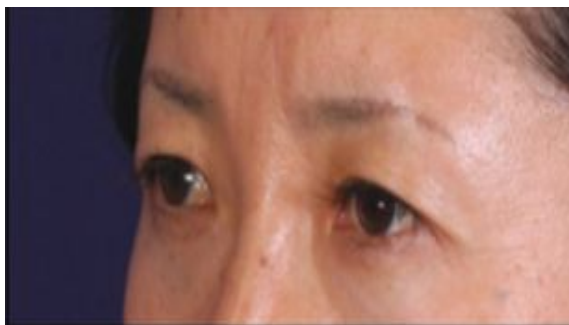


Before

After

BEFORE/AFTER Treatment

Glabella frown line

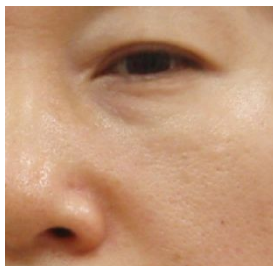
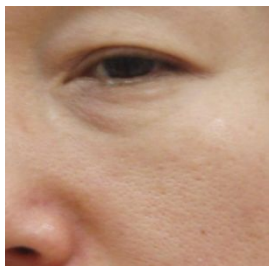


Before

After

BEFORE/AFTER treatment

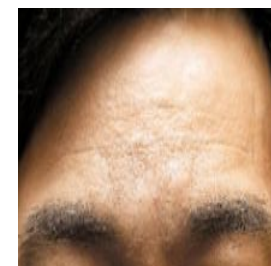
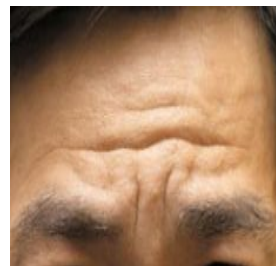
Crow's feet (Female . 42Year)



Before

After

Forehead wrinkles (Male . 54Year)



Before

After