

# **XEOMIN & BOCOUTURE**

## **EXPERIENCE ET MODE D'EMPLOI FEEDBACK & HOW TO USE**

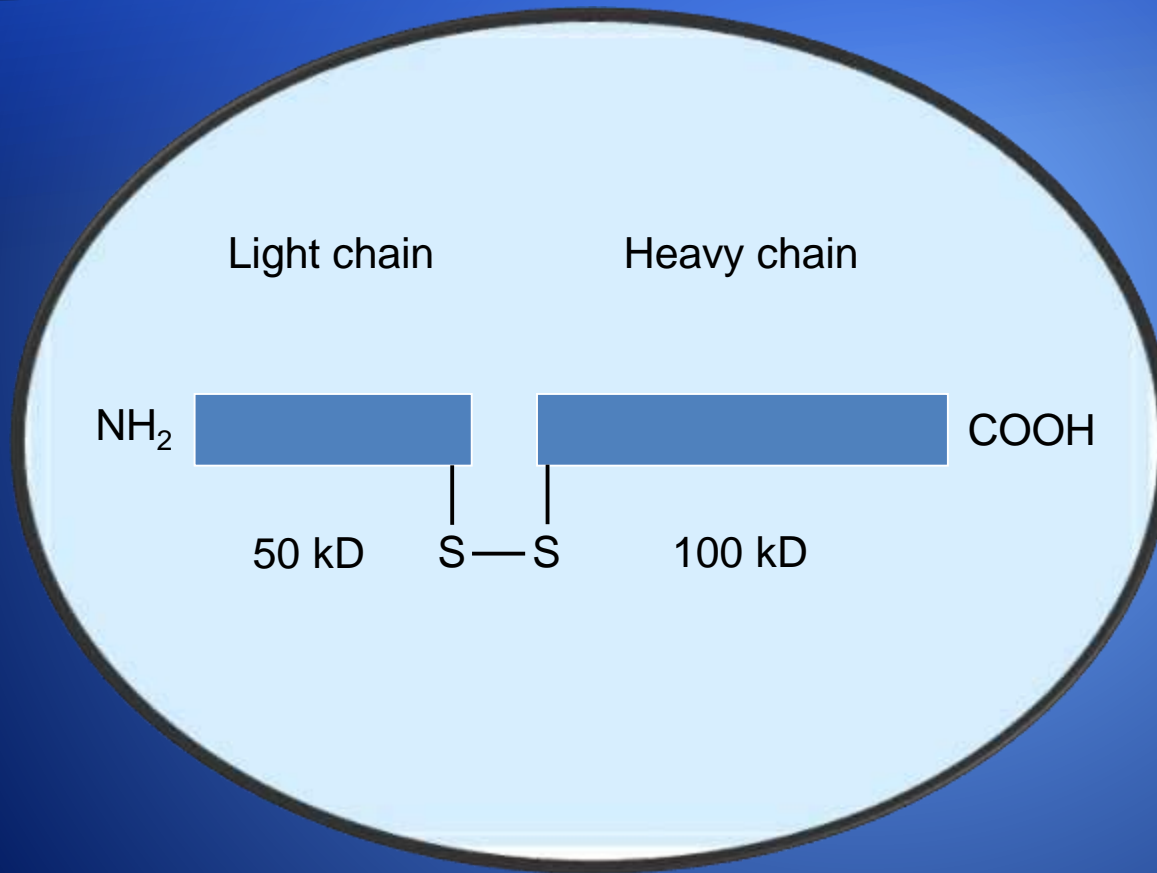
**Dr Pierre Coulon / Ho-Chi-Minh City Vietnam / 01-2014**



# New Cosmetic use Botulinum Toxin



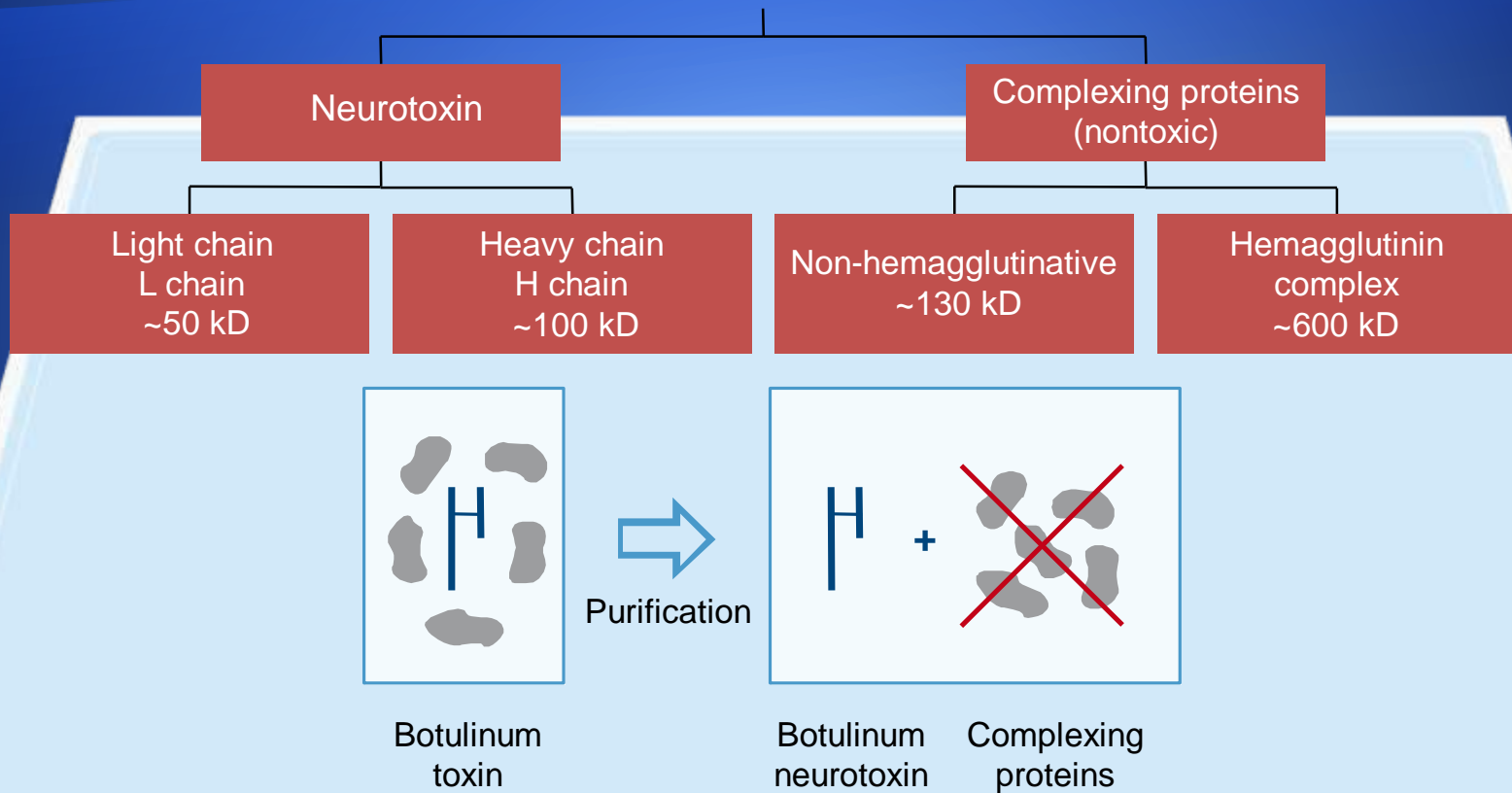
# Molecular structure



R.C. Stevens and D.B. Lacy Nat. Struct. Biol 5 pp 898 (1998)

# Botulinum neurotoxin type A

## Complexing proteins free



# Product Profile

## Active substance:

- ❖ Clostridium botulinum neurotoxin type A (150 kD), free of complexing proteins

## Mechanism of action:

- ❖ Neuromuscular blockade by chemical denervation (cleavage of the protein SNAP-25)

## Site of action:

- ❖ Local/neuromuscular synapse

## Duration of action:

- ❖ Generally 3–4 months

## Onset of action:

- ❖ blepharospasm within 4 days (median) , **AESTHETIC = 2-3DAYS**

## Storage:

- ❖ Room temperature (25°C)

## Stability:

- ❖ Unopened vial 48 months at room temperature (25°C), reconstituted solution stable up to 24 hrs (2–8°C)



# What's the Difference?

## XEOMIN

- Highly purified frozen dried neurotoxin formulation
- Protein-free complex

## NO Protein

- Protein free complex

## Reduced Antibody Response

- Ref. Göschel H. 1997
- Ref. Jost 2007

# What's the Difference?

XEOMIN/  
BOCOUTURE

- Onset faster
- Faster touch up

NO Proteins

- Migration (anhydrosis surface)

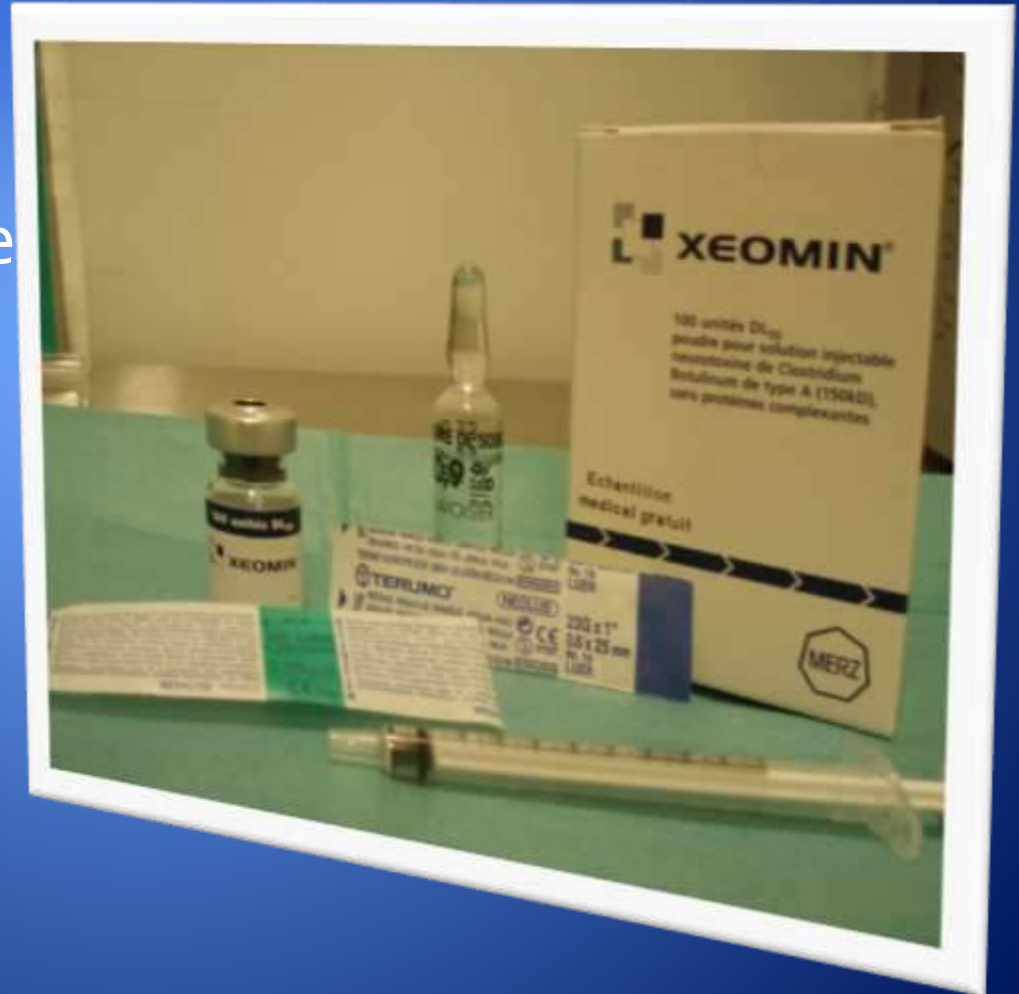
Reduced  
Antibody  
Response

- Therapeutic use
- Up to 16u touch up



# Mix and Handling

- ◆ 1 vial = 100 units
- ◆ Isotonic 0.9% saline
- ◆ One 3ml syringe
- ◆ One 23G needle
- ◆ One insulin syringe
- ◆ One 32G needle



# Dilution

## Manufacturer's Recommendations

0.5ml = 20u/0.1ml

1 ml = 10u/0.1ml

2 ml = 5u/0.1ml

4 ml = 2,5u/0.1ml

## My Practice

2,5 ml

4u/0,1 ml

# Reconstitution

- ◆ As Usual...
- ◆ Avoid foam, agitation and shaking
- ◆ Keep reconstituted vials < 24hrs (2 to 8°C)



# Reconstitution

## What's New?

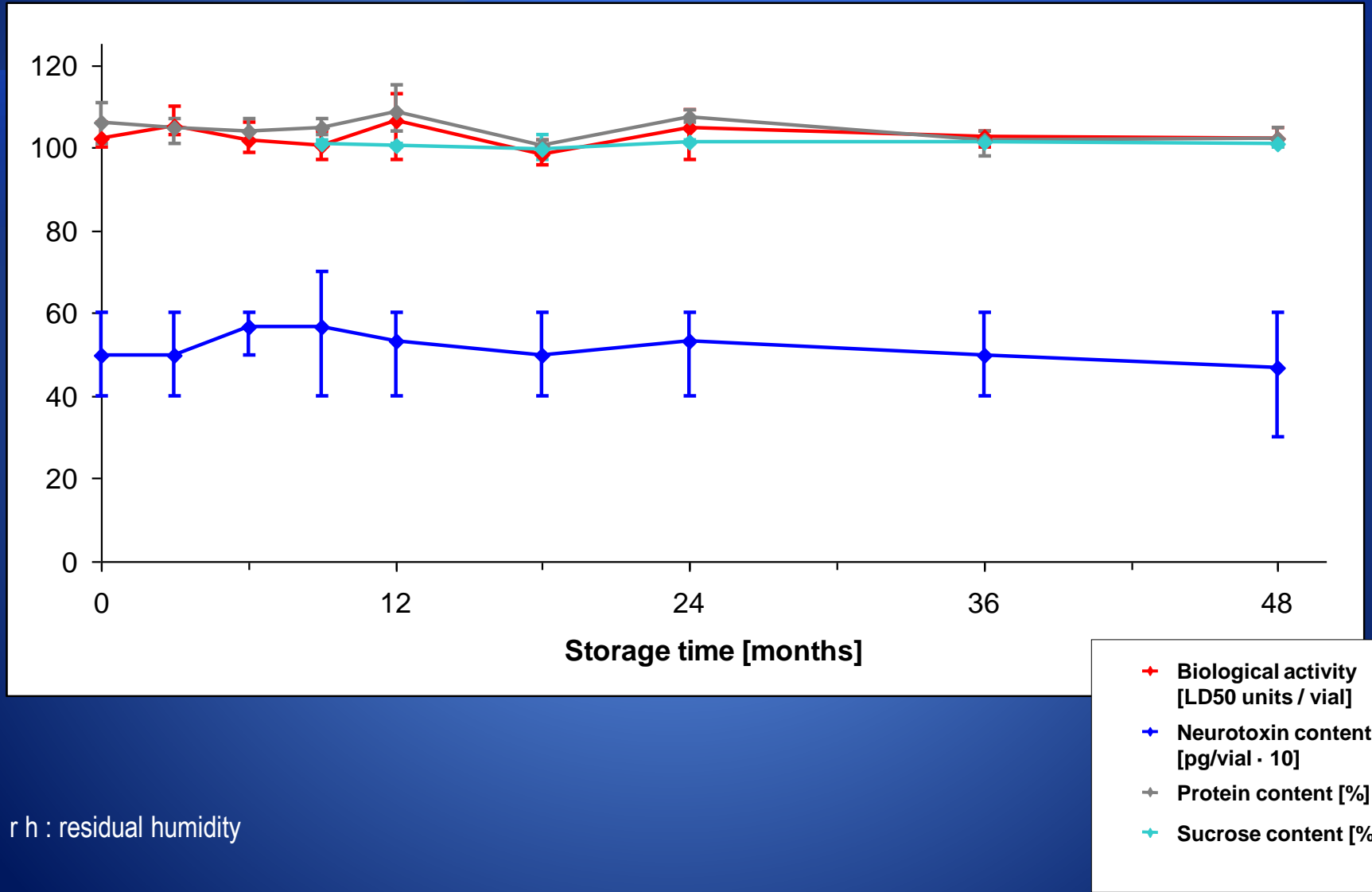
- ◆ Cold storage obsolete
- ◆ 3 year storage <25°C

- ◆ Personal experience
  - ◆ Ref Hexsel D. 2003
  - ◆ Ref Carruthers J. 2004



# J Frevert – Merz (Germany)

## Toxicon 3/21/2009 1–5



r h : residual humidity



# Face analysis





# Forehead Lines



# Frown Lines



# Crow's Feet





# Treatment Plan



# Treatment Plan



# BoCouture Treatment Count





# BoCouture Treatment Count



# Injection Technique



# Outcome

Before



After





# Outcome Forehead

Before



After



# Outcome Frown Lines

Before



After



# Outcome Crow's Feet

Before



After





# Outcome

Before



After



# Outcome Forehead

Before



After



# Outcome Crow's Feet

Before



After





# Outcome Neck/Platysma

Before



After



# Outcome Neck/Platysma

Before



After



# Outcome

Before



After





# Outcome Forehead

Before



After



# Outcome

Before



After



# Outcome

Before

After





# Conclusion

