a

Challenges

Visit 1  
Pen G and V challenge

Visit 2  
Pen V challenge  
7-day oral challenge (p.o.7) with therapeutic doses

Visit 3  
Culprit drug challenge  
(Titrated single dose challenge)

Visit 4  
Culprit drug challenge  
7-day oral challenge (p.o.7) with therapeutic doses

b

Specific IgE measurements

Visit -1  
(IgE < 0.35)

Visit 0  
IgE

Visit 1  
IgE

4 weeks later  
IgE

Visit 2  
IgE

4 weeks later  
IgE

Visit 3  
IgE

4 weeks later  
IgE

Visit 4  
IgE

4 weeks later  
IgE