Histobulin as a complementary but essential therapeutic for Intravenous Immune Globulin (IVIG) Therapy of Pfeiffer-Weber-Christian Disease with Multiple Allergic Diseases and its Effects on Allergic Disease: A Case Report

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Abstract

A steroid- and cyclosporine A- resistant case of Pfeiffer-Weber-Christian disease (PWCD) was remitted completely with sequential treatment with Histobulin and IVIG. The multiple food allergies and the atopic dermatitis of this PWCD patient were also improved with Histobulin treatment. The upper respiratory infections were improved by Histobulin therapy also.

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A

**Histobulin Induction**

**IVG Resistance**

**Histobulin Finalogy**

**Appearance of New Lesions**

- 1st mature component
- 1st early component
- 2nd new early component
- 2nd new mature component
- Solved mature component
- Solved early component

**No more lesions**

| ImmunoTherapeutics | Anti-Inflammatory effects | New lesions development |
|--------------------|--------------------------|------------------------|
| Histobulin         | Histobulin-sensitive components | Prevention of newly development of lesions (Both histobulin- and IVG-sensitive components) |
| Immunoglobulin     | IVG-sensitive components | Common-sensitive components |

B

**Immunotherapeutics**

**Anti-Inflammatory effects**

| Disease | Effects & Indicated |
|---------|---------------------|
| **PWCD** | Anti-inflammatory effects |
| **Allergy** | Patients with multiple allergy
- Atopic dermatitis
- Desensitization of food allergy
- Desensitization of multiple food allergy simultaneously (Poly-desensitization effects for multiple allergens)
- Possible desensitization of drug allergy |
| **Mechanisms in Allergy** | Total IgE
- Specific IgE |
| **URI** | Prevention of upper respiratory infection (URI) |