

Meeting Report of the Special Committee for the Safety of Protein Hydrolysates in Cosmetics

Tokai area subcommittee meeting

Date and Time: 19:00-22:00, September 6, 2011

Venue: Nagoya Marriot Associa Hotel

Attendee: Kayoko Matsunaga (Chair), Zenichiro Kato, Reiko Kishikawa (special participant),
Hiroyuki Tanaka, Akiko Yagami

Observer: Masashi Nakamura, Rie Ohta (Fujita Health University)

Absentee: Atsuo Urisu, Shinich Sugiura

Minutes:

1. Dr. Matsunaga referred to the reason why this urgent meeting was convened, what was discussed in the 2nd meeting and what should be discussed today.

The first item on the agenda was the diagnostic criteria for oral wheat allergy and “Cha no Shizuku” allergy, which had been tabled to another occasion last time

2. Number of cases as of August 26 reported by Yuuka Co., Ltd.

- 1) Medical certificates: 50 (305 in cumulative total)
 - 2) Other sources: 163 (905 in cumulative total)
 - 3) Notification from healthcare professionals: 20 (136 in cumulative total)
- 1346 in the aggregate

Based on the above, discussion was made as to the clinical course characteristic to patients with “Cha no Shizuku”-induced allergy.

3. Report on study performed by Mr. Nakamura and Dr. Yagami (Fujita Health University) with distributed materials

Dot blot IgE antigen test revealed the marked observation of Glupearl 19S-specific IgE antigens in the “Cha no Shizuku” allergy patients compared to WDEIA patients, which indicates the usefulness of serum IgE antigen evaluation in diagnosing the disease. Gluten-specific IgE antigen level of “Cha no Shizuku” patients and other wheat allergy patients had no distinct difference, but was higher than healthy subjects. Molecular weight distribution of Glupearl 19S was similar to that of gluten, but 2D-PAGE results indicated that protein existed only in the acid region as to Glupearl 19S while gluten had little protein on the acid side.

4. Research to be conducted as to hydrolyzed wheat that may become antigen inducing sensitization
 - Analysis of Glupearl 19S as antigen (Mr. Nakamura)
 - Animal model analysis with Glupearl 19S applied to mice (Dr. Tanaka)
 - HLA analysis for “Cha no Shizuku” allergy patients (Dr. Kato)

*Diagnostic criteria agreed by the Committee on October 11 are posted on the Japanese Society of Allergology website.

http://www.jsaweb.jp/modules/news_topics/index.php?page=article&storyid=114