

Pre Conference Workshop on Gluten Sensitivity Hosted by Schar USA

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Conflict of Interest

In the past 12 months, I have had the following relevant financial relationships with the following manufacturer of any commercial product(s) and/or provider(s) of commercial services discussed in this CME activity:

ALBA THERAPEUTICS, CO-FOUNDER AND STOCK HOLDER

I will not discuss any product from Alba Therapeutics in my presentation. I do not intend to discuss an unapproved or investigative use of a commercial product or device in my presentation.

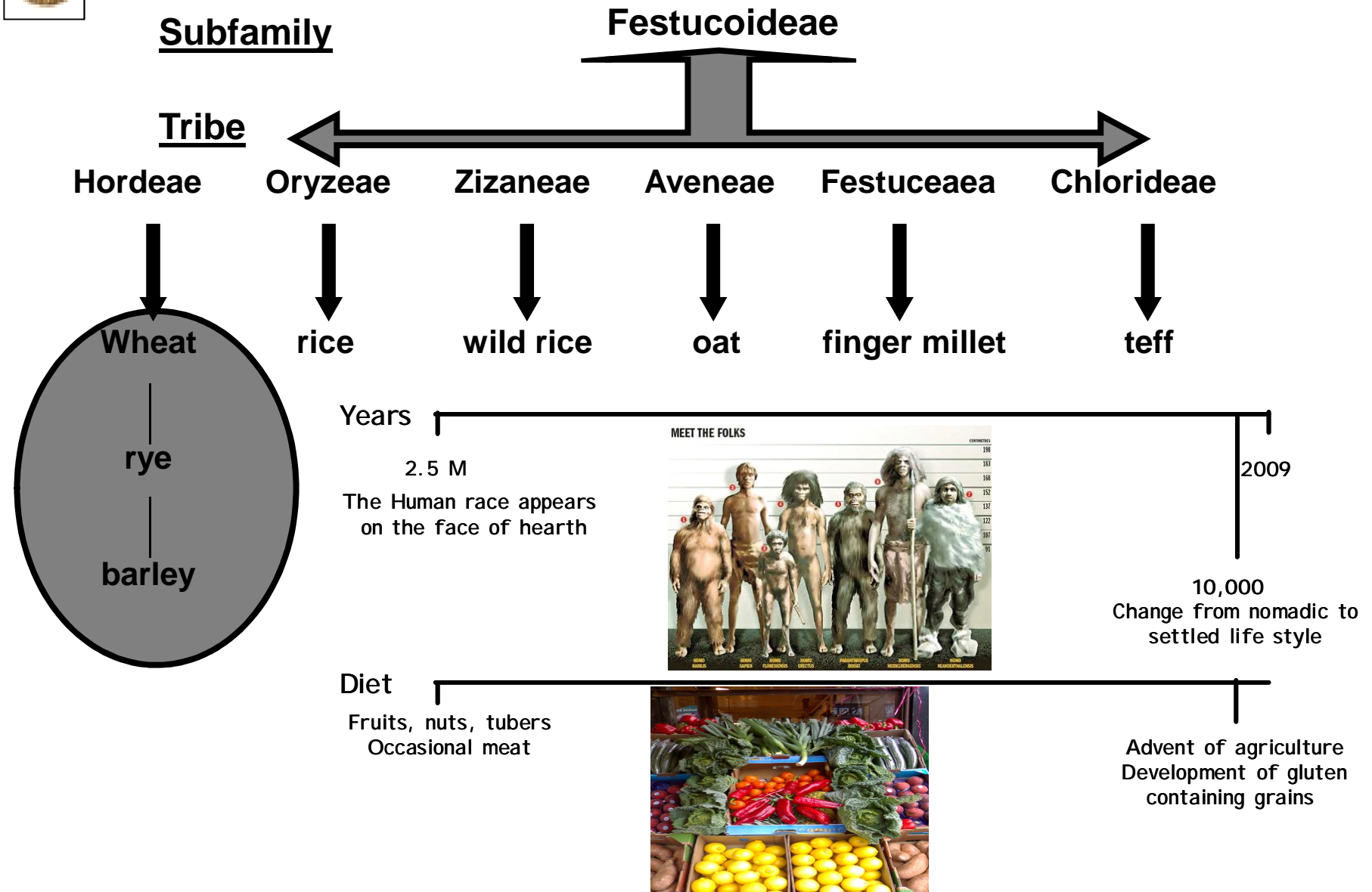
Why Gluten is Toxic



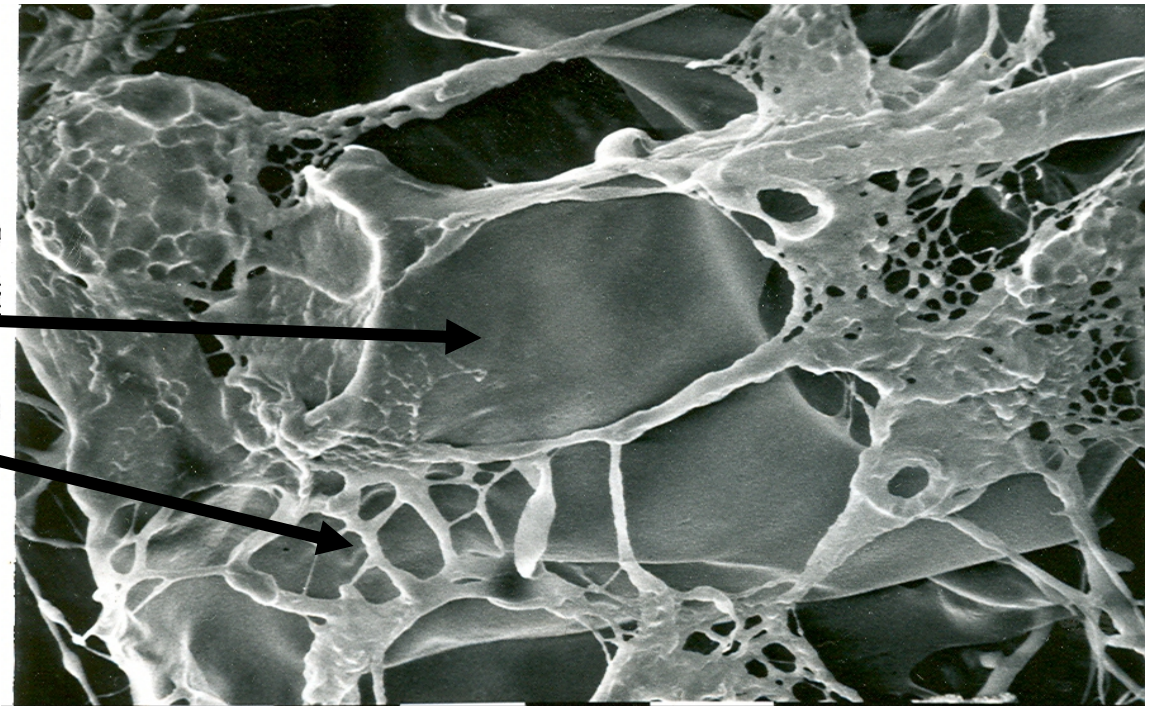
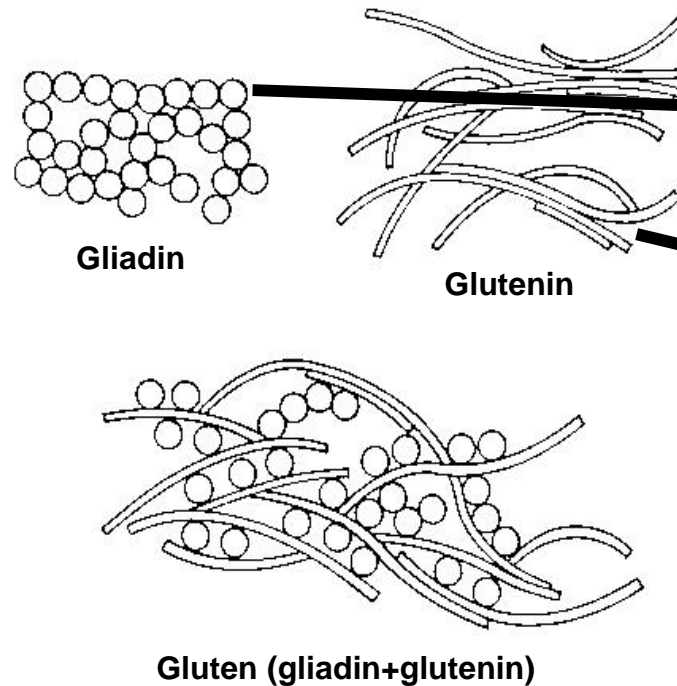
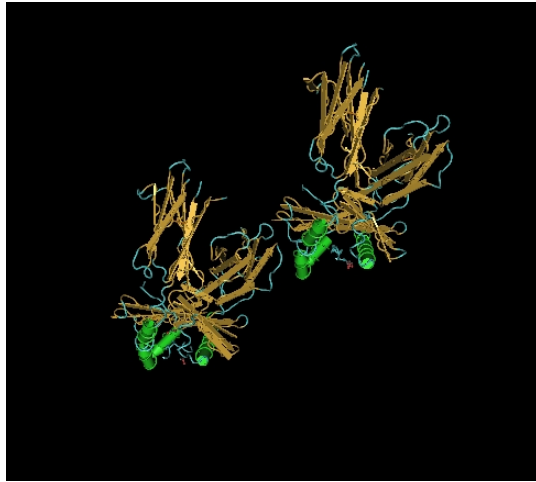


Dietary Factors

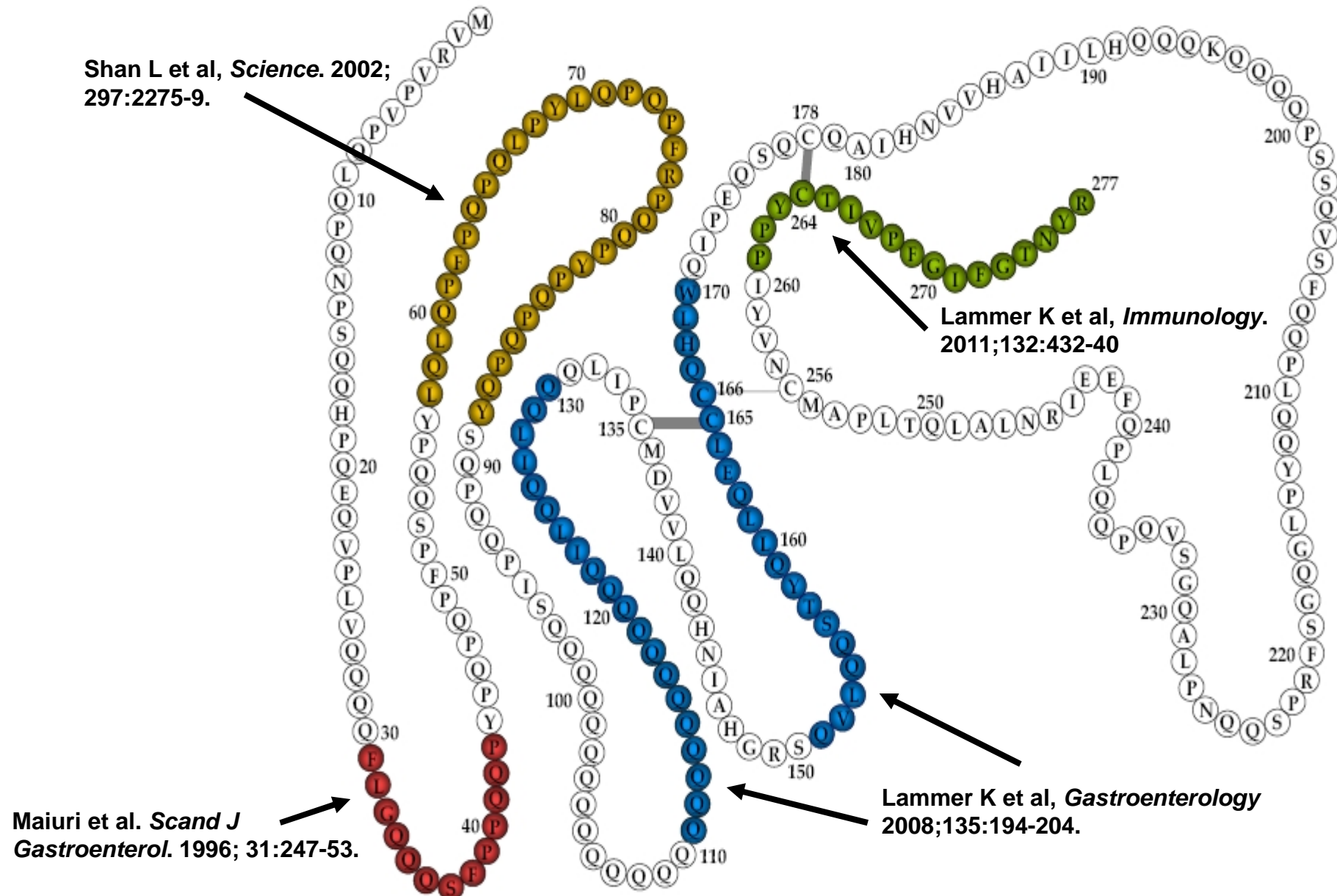
The Grass Family - (GRAMINEAE)



What is so Special About Gluten?



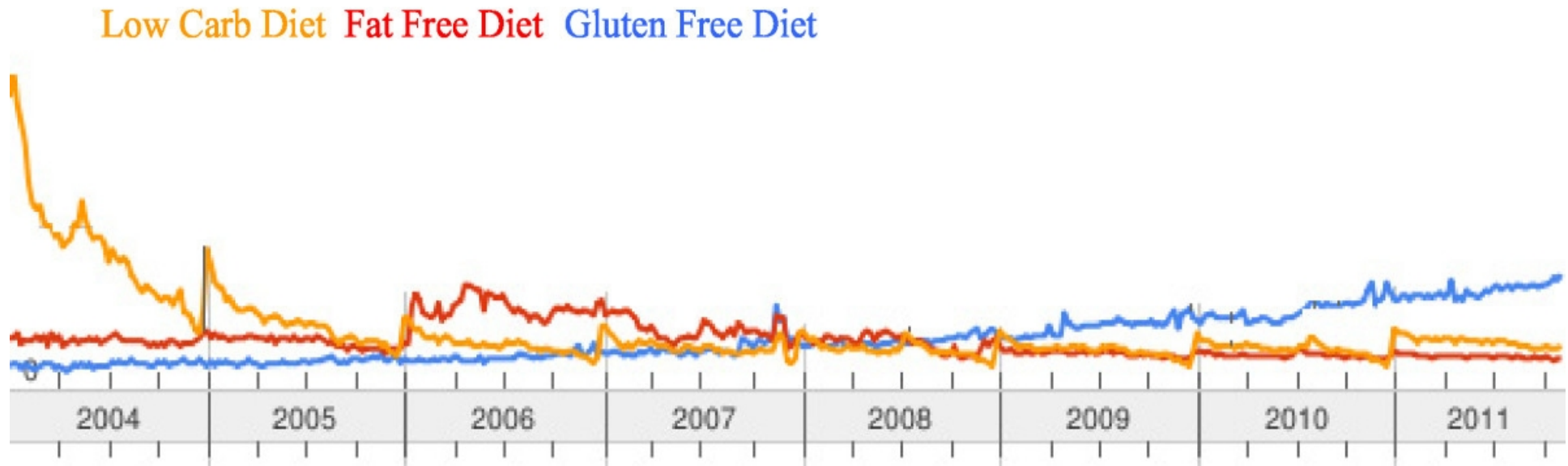
Mapping of α -gliadin motifs exerting cytotoxic activity (red), immunomodulatory activity (light green), zonulin release and gut permeating activity (blue) and CXCR3-dependent IL8 release in CD patients (dark green).



Not Only Celiac Disease



Gluten Free Market



For the American general population adopting a gluten-free diet is becoming an increasingly popular solution. The market for gluten-free food and beverage products grew at a compound annual growth rate of 28 percent from 2004 to 2008, to finish with almost **\$2.6 billion** in retail sales last year. By 2017 the market is expected to reach about **\$ 6.1 billion** in sales.

The Fad Factor of the GFD

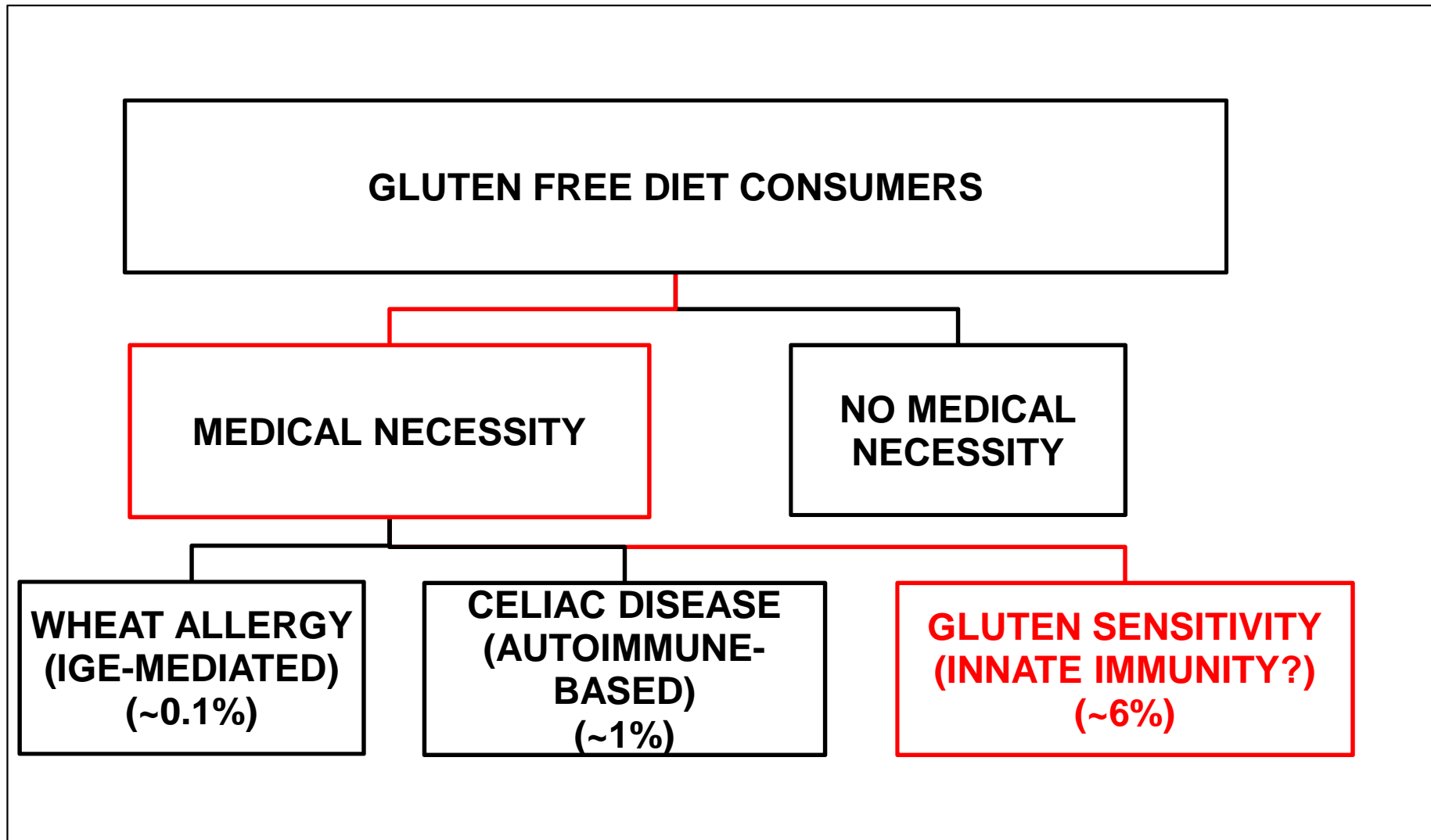
Lady Gaga goes on gluten free diet

Updated: 2012-08-20 14:45

(Agencies)



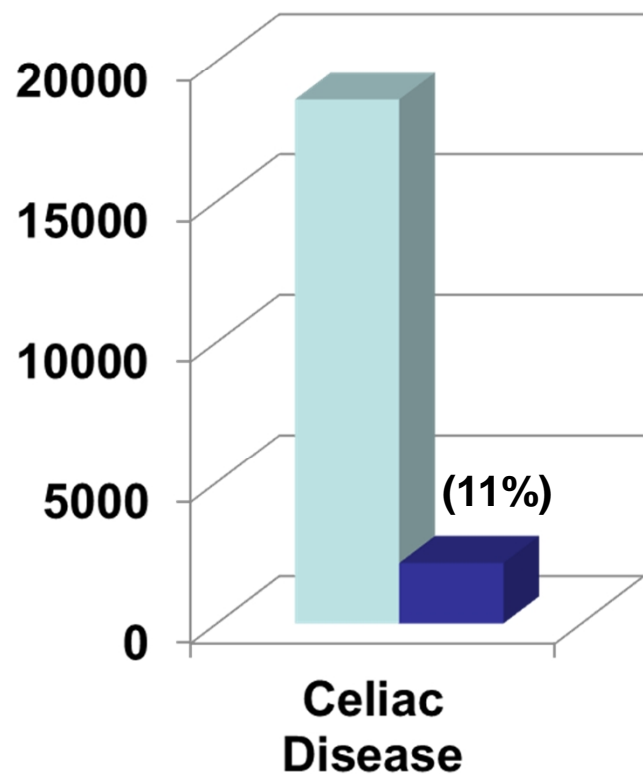
The Gluten Free Diet: Not Only Celiac Disease



Scientific Production CD Vs. GS

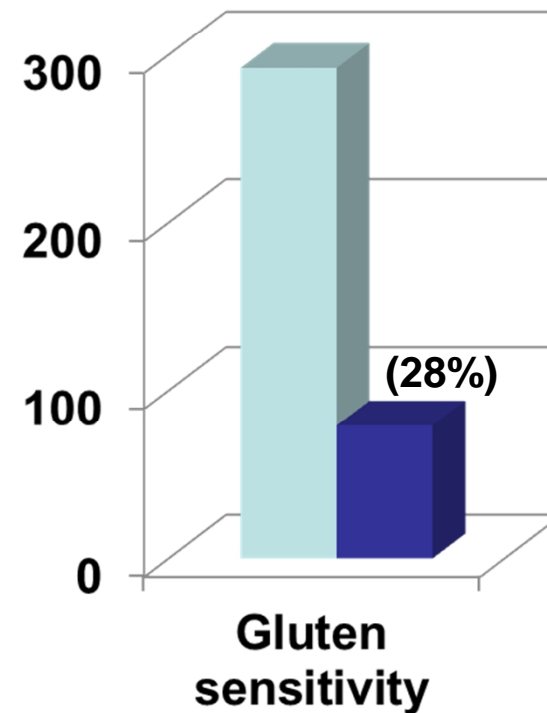
■ Total papers

■ Papers published in the last 2 years



■ Total papers

■ papers published in the past 2 years



ORIGINAL ARTICLE

The Oslo definitions for coeliac disease and related terms

Jonas F Ludvigsson,^{1,2} Daniel A Leffler,³ Julio C Bai,⁴ Federico Biagi,⁵ Alessio Fasano,⁶ Peter H R Green,⁷ Marios Hadjivassiliou,⁸ Katri Kaukinen,⁹ Ciaran P Kelly,³ Jonathan N Leonard,¹⁰ Knut Erik Aslaksen Lundin,¹¹ Joseph A Murray,¹² David S Sanders,^{13,14} Marjorie M Walker,¹⁴ Fabiana Zingone,¹⁵ Carolina Ciacci¹⁶

ABSTRACT

Objective The literature suggests a lack of consensus on the use of terms related to coeliac disease (CD) and gluten.

Design A multidisciplinary task force of 16 physicians from seven countries used the electronic database PubMed to review the literature for CD-related terms up to January 2011. Teams of physicians then suggested a definition for each term, followed by feedback of these definitions through a web survey on definitions, discussions during a meeting in Oslo and phone conferences. In addition to 'CD', the following descriptors of CD were evaluated (in alphabetical order):

Significance of this study

What is already known on this subject?

- ▶ There is a lack of consensus on the use of terms related to coeliac disease (CD) and gluten.
- ▶ Variability in the use of terminology has led to difficulty when comparing and evaluating clinical studies and research findings.

What are the new findings?

- ▶ The panel reached agreement on the definition

Opinion

Highly accessed

Open Access

Spectrum of gluten-related disorders: consensus on new nomenclature and classification

Anna Sapone^{1,2}, Julio C Bai³, Carolina Ciacci⁴, Jernej Dolinsek⁵, Peter HR Green⁶, Marios Hadjivassiliou⁷, Katri Kaukinen⁸, Kamran Rostami⁹, David S Sanders¹⁰, Michael Schumann¹¹, Reiner Ullrich¹¹, Danilo Villalta¹², Umberto Volta¹³, Carlo Catassi^{1,14} and Alessio Fasano^{1*}

Some interesting statistics (updated September 22nd, 2013):

- Published February 7th, 2012;
- Total number of download since published: 72,073 (second all time);
- #4 most popular paper of the month (3,380 downloads);
- #2 Paper of the year;
- Average downloads/month: 3,787;
- Most frequent health care professionals to download the paper: pediatricians, primary care physicians and lab professionals.

Agenda

6:45 – 6:55 IBS and Gluten Sensitivity

The European experience
Dr. Antonio Carroccio
The North American experience
Dr. Ciaran Kelly

6:55 – 7:05 Gluten Sensitivity, bio markers and epidemiology

The NANHES experience
Dr. Peter Green
The ongoing field experience
Dr. Umberto Volta

7:05 – 7:15 Gluten Sensitivity and the Nervous System

Autism and GS
Dr. Anna Sapone
Schizophrenia and GS
Dr. Deanna Kelly

7:15 – 7:25 Pathogenesis of Gluten Sensitivity

Basic evidence of innate immunity
Dr. Detlef Schuppan
Translational evidence of innate immunity

7:25 – 7:35 Management of Gluten Sensitivity

Patient management
Dr Daniel Lefler
Nutritional Management
Pam Cureton, RD, LD

7:35 – 7:40 Summary and Invitation to open discussion Dr Alessio Fasano

7:40 – 8:20 Discussion

8:20 – 8:30 Closing Remarks

Dr. Alessio Fasano