

Study evaluating the diagnostic accuracy of Simtomax® compare to IgA/IgG DGP ELISA as a measure of compliance to gluten free diet in adults with celiac disease

Study Characteristics

Study Site Location: Eastern Health Clinical School, Monash University, Australia

Principal Investigators: Dr. Gibson

Dates: 2010 to 2011

Type of Study: Retrospective

Sample Number: 46 adult patients

Type of Samples: Serum

Study Design

Population: Patients with biopsy confirmed diagnosis of celiac disease (CD) and who had been on a gluten free diet (GFD) for at least 5 years.

Predicate: IgA or IgG Deamidated Gliadin Peptides (DGP) ELISA (Inova Diagnostics, cut off <20 U/ml)

Results

		IgA or IgG DGP ELISA	
		+	-
Simtomax DGP	+	9	10
	-	0	27

Sensitivity	100.00%
Specificity	73.00%
PPV	47.00%
NPV	100.00%
Diagnostic Accuracy	82.60%

Publications / Oral Presentations/ Posters

Newnham E, Tognarini D, Youssef S, Shepherd SJ, Rose R, and Gibson PR, Point of care testing-a limited tool in monitoring coeliac disease, International Celiac Disease Symposium, Oslo, Norway, June 2011, poster