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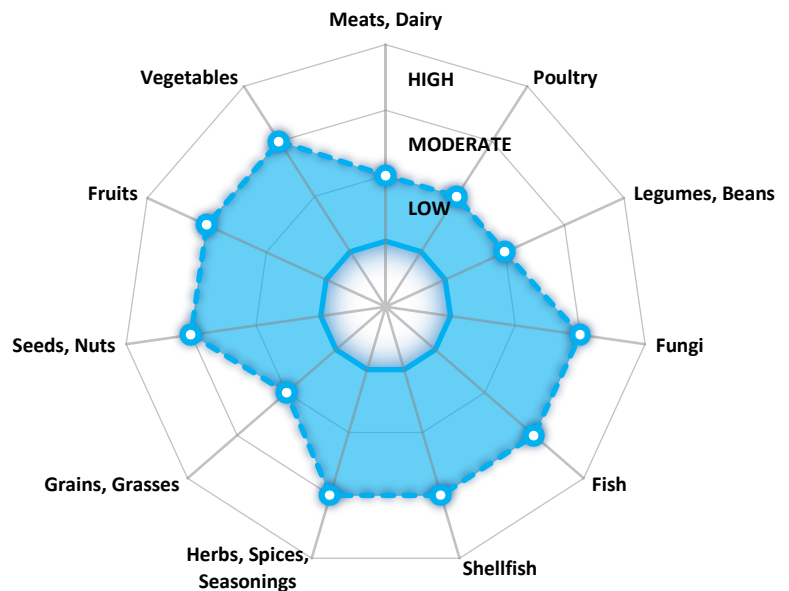
PATIENT INFO
NAME: SAMPLE PATIENT
REQUISITION ID: R01029
SAMPLE ID: 30999
DOB: 1/1/2001
SAMPLE DATE: 2/12/2018
RECEIVE DATE: 2/14/2018
REPORT DATE: 3/2/2018

CLINIC INFO
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588G - Dietary Antigen Testing | 1/4

Dietary Antigen Exposure by Food Group

	IgG
Meats, Dairy	LOW
Poultry	LOW
Legumes, Beans	LOW
Fungi	MODERATE
Fish	MODERATE
Shellfish	MODERATE
Herbs, Spices, Seasonings	MODERATE
Grains, Grasses	LOW
Seeds, Nuts	MODERATE
Fruits	MODERATE
Vegetables	MODERATE



Dietary Antigen Exposure by Food Group

In this test, a human serum sample is probed for the presence of IgG antibodies which have an exact affinity for specific dietary allergens. Dietary allergens are clustered by the food groups shown in the table and graph above. The quantitative summation of the IgG results within the offending food groups are expressed graphically. The exclusion of the offending food group(s) from the diet has been shown to reduce the severity of symptoms associated with food allergies.

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588G - Dietary Antigen Testing | 2/4

Understanding the Key

It is important to understand how reactive your patient is to a given food. If the patient had a high reaction, they are considered in the top 2.5% in terms of reactions; moderate reactions represent the next 2.5%. This means that moderate or severe reactions represent the top 5% of reactivity. A low reaction represents a broader population of reactivity at 20%. Therefore low, moderate, and high reactions combined represent 25% of the most reactive patients.

IgG

The IgG antibody response creates sensitivity to a particular food. Symptoms may be less severe than with IgE allergic reaction and can manifest anywhere from 3-72 hours after exposure. IgG reactions create inflammation that makes many pathologies worse. The delayed response makes sensitivities difficult to identify without a diagnostic test. Sensitivities can improve with treatment and improved gut health.

C3d

C3d is a complement antigen and an activator of our complement cascade system. Reaction to the specified food will worsen if C3d activation is present along with an IgG antibody response. The C3 protein attaches to the antigen and amplifies the IgG response, increasing the inflammatory potential of IgG titer. Complement is not dependent on exposure or antibody presence, and represents innate immune function.

Patient Results

ANTIGEN	RESULT	IgG	REF. RANGE
MEATS, DAIRY			
Beef	MODERATE	97.60 ng/ml	0.00 - 98 ng/ml
Casein	L	461.71 ng/ml	0.00 - 1771 ng/ml
Cow's Milk	L	1167.42 ng/ml	0.00 - 2239 ng/ml
Goat's Milk	L	829.58 ng/ml	0.00 - 2064 ng/ml
Pork	L	61.94 ng/ml	0.00 - 131 ng/ml
POULTRY			
Chicken		0.00 ng/ml	0.00 - 81 ng/ml
Egg Albumin	L	527.40 ng/ml	0.00 - 1551 ng/ml
Egg Yolk	MODERATE	523.65 ng/ml	0.00 - 821 ng/ml
Turkey	L	48.80 ng/ml	0.00 - 99 ng/ml
LEGUMES, BEANS			
Green Pea		0.00 ng/ml	0.00 - 152 ng/ml
Kidney Bean	L	281.53 ng/ml	0.00 - 661 ng/ml
Lima Bean	L	7.51 ng/ml	0.00 - 221 ng/ml
Navy Bean	L	185.81 ng/ml	0.00 - 473 ng/ml
Peanut	L	37.54 ng/ml	0.00 - 293 ng/ml
Soybean	MODERATE	212.09 ng/ml	0.00 - 299 ng/ml
String Bean	L	76.95 ng/ml	0.00 - 374 ng/ml
FUNGI			
Aspergillus Mix	MODERATE	2556.31 ng/ml	0.00 - 3465 ng/ml
Brewer's Yeast	MODERATE	977.85 ng/ml	0.00 - 1482 ng/ml
Candida	HIGH	2691.44 ng/ml	0.00 - 1688 ng/ml
Mushroom	L	7.51 ng/ml	0.00 - 105 ng/ml
FISH			
Codfish	L	58.18 ng/ml	0.00 - 147 ng/ml
Flounder	MODERATE	15.02 ng/ml	0.00 - 46 ng/ml
Halibut	MODERATE	9.38 ng/ml	0.00 - 44 ng/ml
Salmon	HIGH	41.29 ng/ml	0.00 - 33 ng/ml
Tuna		0.00 ng/ml	0.00 - 219 ng/ml
SHELLFISH			
Clam	MODERATE	367.87 ng/ml	0.00 - 459 ng/ml
Crab	MODERATE	97.60 ng/ml	0.00 - 204 ng/ml
Lobster	MODERATE	208.33 ng/ml	0.00 - 246 ng/ml
Scallops		0.00 ng/ml	0.00 - 74 ng/ml
Shrimp	L	58.18 ng/ml	0.00 - 150 ng/ml

ANTIGEN	RESULT	COMPLEMENT	CUTOFF
MEATS, DAIRY			
Beef		0.00 ng/ml	228 ng/ml
Casein	YES	4949.91 ng/ml	1479 ng/ml
Cow's Milk	YES	7401.30 ng/ml	3693 ng/ml
Goat's Milk		1296.41 ng/ml	4019 ng/ml
Pork		2097.82 ng/ml	4303 ng/ml
POULTRY			
Chicken		0.00 ng/ml	108 ng/ml
Egg Albumin		0.00 ng/ml	151 ng/ml
Egg Yolk		471.42 ng/ml	1095 ng/ml
Turkey	YES	353.57 ng/ml	173 ng/ml
LEGUMES, BEANS			
Green Pea	YES	306.42 ng/ml	177 ng/ml
Kidney Bean		730.70 ng/ml	793 ng/ml
Lima Bean		848.56 ng/ml	7181.1 ng/ml
Navy Bean	YES	707.13 ng/ml	697.8 ng/ml
Peanut	YES	730.70 ng/ml	113 ng/ml
Soybean	YES	3794.93 ng/ml	1925 ng/ml
String Bean		306.42 ng/ml	7047.1 ng/ml
FUNGI			
Aspergillus Mix		353.57 ng/ml	461 ng/ml
Brewer's Yeast	YES	447.85 ng/ml	128 ng/ml
Candida	YES	1720.68 ng/ml	429 ng/ml
Mushroom		377.14 ng/ml	1152 ng/ml
FISH			
Codfish		0.00 ng/ml	320 ng/ml
Flounder		0.00 ng/ml	216 ng/ml
Halibut		0.00 ng/ml	109 ng/ml
Salmon		0.00 ng/ml	73 ng/ml
Tuna	YES	542.13 ng/ml	196 ng/ml
SHELLFISH			
Clam		777.84 ng/ml	1212 ng/ml
Crab		0.00 ng/ml	238 ng/ml
Lobster	YES	353.57 ng/ml	203 ng/ml
Scallops		0.00 ng/ml	1683.3 ng/ml
Shrimp		0.00 ng/ml	220 ng/ml

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588G - Dietary Antigen Testing | 3/4

Patient Results

ANTIGEN	RESULT	IgG	REF. RANGE
HERBS, SPICES, SEASONINGS			
Black Pepper	HIGH	1413.29 ng/ml	0.00 - 1181 ng/ml
Cinnamon	MODERATE	1096.10 ng/ml	0.00 - 1542 ng/ml
Garlic	HIGH	223.35 ng/ml	0.00 - 219 ng/ml
Ginger	MODERATE	564.94 ng/ml	0.00 - 743 ng/ml
Hops	L	142.64 ng/ml	0.00 - 312 ng/ml
Mustard		0.00 ng/ml	0.00 - 252 ng/ml
Vanilla	HIGH	782.66 ng/ml	0.00 - 624 ng/ml
GRAINS, GRASSES			
Barley	MODERATE	133.26 ng/ml	0.00 - 141 ng/ml
Corn	L	48.80 ng/ml	0.00 - 183 ng/ml
Gluten	L	352.85 ng/ml	0.00 - 1336 ng/ml
Oat	L	58.18 ng/ml	0.00 - 241 ng/ml
Rice	L	11.26 ng/ml	0.00 - 136 ng/ml
Rye	L	110.74 ng/ml	0.00 - 473 ng/ml
Whole Wheat	L	7.51 ng/ml	0.00 - 476 ng/ml
SEEDS, NUTS			
Almond	MODERATE	319.07 ng/ml	0.00 - 799 ng/ml
Cacao	MODERATE	131.38 ng/ml	0.00 - 249 ng/ml
Cashew	L	138.89 ng/ml	0.00 - 390 ng/ml
Coffee	MODERATE	204.58 ng/ml	0.00 - 327 ng/ml
Cottonseed	MODERATE	82.58 ng/ml	0.00 - 192 ng/ml
English Walnut	MODERATE	76.95 ng/ml	0.00 - 127 ng/ml
Flax Seed	L	16.89 ng/ml	0.00 - 313 ng/ml
Pecan		0.00 ng/ml	0.00 - 87 ng/ml
Sesame	L	268.39 ng/ml	0.00 - 741 ng/ml
FRUITS			
Apple	HIGH	71.32 ng/ml	0.00 - 71 ng/ml
Avocado	L	31.91 ng/ml	0.00 - 110 ng/ml
Banana	HIGH	213.96 ng/ml	0.00 - 126 ng/ml
Blueberry	MODERATE	129.50 ng/ml	0.00 - 256 ng/ml
Cantaloupe	HIGH	189.56 ng/ml	0.00 - 169 ng/ml
Cherry		0.00 ng/ml	0.00 - 64 ng/ml
Coconut	L	97.60 ng/ml	0.00 - 234 ng/ml
Cucumber	MODERATE	26.28 ng/ml	0.00 - 68 ng/ml
Grapefruit		0.00 ng/ml	0.00 - 44 ng/ml
Grapes		0.00 ng/ml	0.00 - 50 ng/ml
Green Olive	L	37.54 ng/ml	0.00 - 115 ng/ml
Green Pepper		0.00 ng/ml	0.00 - 61 ng/ml
Honeydew		0.00 ng/ml	0.00 - 80 ng/ml
Lemon		0.00 ng/ml	0.00 - 79 ng/ml
Orange	L	46.92 ng/ml	0.00 - 143 ng/ml
Peach		0.00 ng/ml	0.00 - 101 ng/ml
Pear	MODERATE	31.91 ng/ml	0.00 - 68 ng/ml
Pineapple	MODERATE	313.44 ng/ml	0.00 - 341 ng/ml
Plum	L	3.75 ng/ml	0.00 - 44 ng/ml
Strawberry	L	24.40 ng/ml	0.00 - 60 ng/ml
Tomato	HIGH	60.06 ng/ml	0.00 - 48 ng/ml
Watermelon	L	15.02 ng/ml	0.00 - 50 ng/ml
Yellow Squash	MODERATE	161.41 ng/ml	0.00 - 298 ng/ml

ANTIGEN	RESULT	COMPLEMENT	CUTOFF
HERBS, SPICES, SEASONINGS			
Black Pepper	YES	801.41 ng/ml	534 ng/ml
Cinnamon		0.00 ng/ml	942 ng/ml
Garlic		0.00 ng/ml	379 ng/ml
Ginger		424.28 ng/ml	1813.1 ng/ml
Hops		447.85 ng/ml	1980.4 ng/ml
Mustard	YES	353.57 ng/ml	152 ng/ml
Vanilla	YES	636.42 ng/ml	128 ng/ml
GRAINS, GRASSES			
Barley		565.70 ng/ml	831 ng/ml
Corn	YES	306.42 ng/ml	295 ng/ml
Gluten		306.42 ng/ml	381 ng/ml
Oat		0.00 ng/ml	75 ng/ml
Rice		0.00 ng/ml	152 ng/ml
Rye		0.00 ng/ml	128 ng/ml
Whole Wheat	YES	1178.55 ng/ml	706 ng/ml
SEEDS, NUTS			
Almond		282.85 ng/ml	785 ng/ml
Cacao		0.00 ng/ml	437 ng/ml
Cashew		471.42 ng/ml	1330.8 ng/ml
Coffee		447.85 ng/ml	448 ng/ml
Cottonseed		0.00 ng/ml	94 ng/ml
English Walnut		542.13 ng/ml	5175 ng/ml
Flax Seed		518.56 ng/ml	1759.5 ng/ml
Pecan		0.00 ng/ml	192 ng/ml
Sesame	YES	282.85 ng/ml	245 ng/ml
FRUITS			
Apple		0.00 ng/ml	457 ng/ml
Avocado		683.56 ng/ml	800 ng/ml
Banana		400.71 ng/ml	529 ng/ml
Blueberry		0.00 ng/ml	7394.5 ng/ml
Cantaloupe		0.00 ng/ml	453 ng/ml
Cherry		0.00 ng/ml	35 ng/ml
Coconut	YES	353.57 ng/ml	216 ng/ml
Cucumber		0.00 ng/ml	115 ng/ml
Grapefruit		0.00 ng/ml	86 ng/ml
Grapes		0.00 ng/ml	155 ng/ml
Green Olive		0.00 ng/ml	218 ng/ml
Green Pepper		0.00 ng/ml	202 ng/ml
Honeydew		0.00 ng/ml	75 ng/ml
Lemon		0.00 ng/ml	216 ng/ml
Orange	YES	282.85 ng/ml	164 ng/ml
Peach		0.00 ng/ml	105 ng/ml
Pear		0.00 ng/ml	59 ng/ml
Pineapple	YES	282.85 ng/ml	238 ng/ml
Plum		0.00 ng/ml	255 ng/ml
Strawberry		0.00 ng/ml	79 ng/ml
Tomato		0.00 ng/ml	170 ng/ml
Watermelon	YES	353.57 ng/ml	289 ng/ml
Yellow Squash	YES	2050.68 ng/ml	1083.9 ng/ml

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588G - Dietary Antigen Testing | 4/4

Patient Results

ANTIGEN	RESULT	IgG	REF. RANGE
VEGETABLES			
Asparagus	MODERATE	221.47 ng/ml	0.00 - 375 ng/ml
Broccoli	HIGH	2182.81 ng/ml	0.00 - 1557 ng/ml
Cabbage	MODERATE	45.05 ng/ml	0.00 - 81 ng/ml
Carrot	MODERATE	152.03 ng/ml	0.00 - 167 ng/ml
Cauliflower	MODERATE	144.52 ng/ml	0.00 - 222 ng/ml
Celery	MODERATE	61.94 ng/ml	0.00 - 126 ng/ml
Lettuce	MODERATE	35.66 ng/ml	0.00 - 82 ng/ml
Onion	L	1.88 ng/ml	0.00 - 51 ng/ml
Spinach	L	65.69 ng/ml	0.00 - 187 ng/ml
Sweet Potato	L	24.40 ng/ml	0.00 - 84 ng/ml
Tea	MODERATE	493.62 ng/ml	0.00 - 591 ng/ml
White Potato	MODERATE	39.41 ng/ml	0.00 - 68 ng/ml

ANTIGEN	RESULT	COMPLEMENT	CUTOFF
VEGETABLES			
Asparagus		0.00 ng/ml	448 ng/ml
Broccoli	YES	589.28 ng/ml	473 ng/ml
Cabbage		0.00 ng/ml	493 ng/ml
Carrot		306.42 ng/ml	383 ng/ml
Cauliflower		542.13 ng/ml	3128.4 ng/ml
Celery		0.00 ng/ml	320 ng/ml
Lettuce		353.57 ng/ml	484 ng/ml
Onion		0.00 ng/ml	155 ng/ml
Spinach		306.42 ng/ml	705 ng/ml
Sweet Potato		0.00 ng/ml	462 ng/ml
Tea		0.00 ng/ml	116 ng/ml
White Potato		494.99 ng/ml	834 ng/ml

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