

Patient: Yosef Avisror
Collected: 6/26/2018
DOB: 1/17/1988

Accession: 20180629-0038
Received: 6/29/2018
Completed: 7/19/2018

Ordered by: Ron Yaffe, ND

Pathogens		
Bacterial Pathogens	Result	Normal
<i>Campylobacter</i>	<dl	<1.00e3
<i>C. difficile</i> , Toxin A	<dl	<1.00e3
<i>C. difficile</i> , Toxin B	<dl	<1.00e3
Enterohemorrhagic <i>E. coli</i>	2.75e2	<1.00e3
<i>E. coli</i> O157	<dl	<1.00e3
Enteroinvasive <i>E. coli</i> /Shigella	<dl	<1.00e2
Enterotoxigenic <i>E. coli</i> LT/ST	<dl	<1.00e3
Shiga-like Toxin <i>E. coli</i> stx1	<dl	<1.00e3
Shiga-like Toxin <i>E. coli</i> stx2	<dl	<1.00e3
<i>Salmonella</i>	<dl	<1.00e4
<i>Vibrio cholerae</i>	<dl	<1.00e5
<i>Yersinia enterocolitica</i>	<dl	<1.00e5
Parasitic Pathogens	Result	Normal
<i>Cryptosporidium</i>	<dl	<1.00e6
<i>Entamoeba histolytica</i>	<dl	<1.00e4
<i>Giardia</i>	<dl	<5.00e3
Viral Pathogens	Result	Normal
Adenovirus 40/41	<dl	<1.00e10
Norovirus GI/II	<dl	<1.00e7

H. pylori

	Result	Normal
<i>Helicobacter pylori</i>	<dl	<1.0e3
Virulence Factor, babA	N/A	Negative
Virulence Factor, cagA	N/A	Negative
Virulence Factor, dupA	N/A	Negative
Virulence Factor, iceA	N/A	Negative
Virulence Factor, oipA	N/A	Negative
Virulence Factor, vacA	N/A	Negative
Virulence Factor, virB	N/A	Negative
Virulence Factor, virD	N/A	Negative

Normal Bacterial Flora

	Result	Normal
<i>Bacteroides fragilis</i>	4.8e10	1.60e9 - 2.50e11
<i>Bifidobacterium spp.</i>	6.6e9	>6.70e7
<i>Enterococcus spp.</i>	2.4e7	1.9e5 - 2.00e8
<i>Escherichia spp.</i>	2.9e8	3.70e6 - 3.80e9
<i>Lactobacillus spp.</i>	1.1e7	8.6e5 - 6.20e8
<i>Clostridium spp.</i>	2.61e5	1.20e3 - 1.00e6
<i>Enterobacter spp.</i>	3.10e6	1.00e6 - 5.00e7

Phyla Microbiota

	Result		Normal
<i>Bacteroidetes</i>	6.83e11	Low	8.61e11 - 3.31e12
<i>Firmicutes</i>	4.42e10	Low	5.70e10 - 3.04e11
<i>Firmicutes:Bacteroidetes Ratio</i>	0.06		<1.00

Opportunistic Bacteria

Additional Dysbiotic/Overgrowth Bacteria	Result		Normal
<i>Bacillus spp.</i>	1.64e5	High	<1.50e5
<i>Enterococcus faecalis</i>	4.26e4	High	<1.00e4
<i>Enterococcus faecium</i>	2.17e4	High	<1.00e4
<i>Morganella spp.</i>	5.88e4	High	<1.00e3
<i>Pseudomonas spp.</i>	1.60e4	High	<1.00e4
<i>Pseudomonas aeruginosa</i>	1.57e2		<5.00e2
<i>Staphylococcus spp.</i>	<dl		<1.00e4
<i>Staphylococcus aureus</i>	<dl		<5.00e2
<i>Streptococcus spp.</i>	2.30e3	High	<1.00e3

Potential Autoimmune Triggers

	Result		Normal
<i>Citrobacter spp.</i>	<dl		<5.00e6
<i>Citrobacter freundii</i>	5.32e4		<5.00e5
<i>Klebsiella spp.</i>	<dl		<5.00e3
<i>Klebsiella pneumoniae</i>	<dl		<5.00e4
<i>Mycobacterium tuberculosis (avium)</i>	<dl		<5.00e3
<i>Prevotella copri</i>	<dl		<1.00e7
<i>Proteus spp.</i>	<dl		<5.00e4
<i>Proteus mirabilis</i>	<dl		<1.00e3

Fungi/Yeast

	Result		Normal
<i>Candida spp.</i>	3.16e3		<5.00e3
<i>Candida albicans</i>	<dl		<5.00e2
<i>Geotrichum spp.</i>	<dl		<3.00e2
<i>Microsporidium spp.</i>	<dl		<5.00e3
<i>Rodotorula spp.</i>	<dl		<1.00e3

Viruses

	Result		Normal
<i>Cytomegalovirus</i>	<dl		<1.00e5
<i>Epstein Barr Virus</i>	<dl		<1.00e7

Parasites

Protozoa	Result	Normal
<i>Blastocystis hominis</i>	<dl	<2.00e3
<i>Chilomastix mesnili</i>	<dl	<1.00e5
<i>Cyclospora spp.</i>	<dl	<5.00e4
<i>Dientamoeba fragilis</i>	<dl	<1.00e5
<i>Endolimax nana</i>	<dl	<1.00e4
<i>Entamoeba coli</i>	<dl	<5.00e6
<i>Pentatrichomonas hominis</i>	<dl	<1.00e2

Worms	Result	Normal
<i>Ancylostoma duodenale</i>	Not Detected	Not Detected
<i>Ascaris lumbricoides</i>	Not Detected	Not Detected
<i>Necator americanus</i>	Not Detected	Not Detected
<i>Trichuris trichiura</i>	Not Detected	Not Detected
<i>Taenia spp.</i>	Not Detected	Not Detected

Intestinal Health

Digestion	Result	Normal
Elastase-1	298	>200 ug/g
Steatocrit	11	<15 %

GI Markers	Result	Normal
b-Glucuronidase	156	<2486 U/mL
Fecal Occult Blood	Negative	Negative

Immune Response	Result	Normal
Secretory IgA	168 Low	510 - 2010 ug/g
Anti-gliadin IgA	141	0 - 157 U/L

Inflammation	Result	Normal
Calprotectin	129 High	<50 ug/g

Add-on Test	Result	Normal
Zonulin	21.4	<107 ng/g

Antibiotic Resistance Genes, phenotypes**Helicobacter** **Result** **Expected Result**

Clarithromycin	Negative	Absent
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A2142C	N/A	A2142G	N/A	A2143G	N/A
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Fluoroquinolones	Negative	Absent
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gyrA N87K	N/A	gyrA D91N	N/A	gyrA D91G	N/A
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gyrB S479N	N/A	gyrB R484K	N/A
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