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TEST PATIENT

GUa d`Y`HYgh`BUa Y
 Sex : :
 DUH# Collected : 00-00-0000
 111 H9GH`ROAD`TEST SUBURB
 @AB =8: 00000000 UR#:0000000

TEST PHYSICIAN

DR JOHN DOE
 111 CLINIC STF 99H
 7@-B=7`GI 6I F 6`J =7`' \$\$\$

INTEGRATIVE MEDICINE

URINE, 6 HOUR

INTESTINAL PERMEABILITY

	Result	Range	Units
Urine Volume, 6 hrs	1050		mL
Lactulose Recovery	0.29	0.00 - 0.30	%
Mannitol Recovery	6.79 *L	9.50 - 25.00	%
Lactulose/Mannitol Ratio	0.043 *H	0.000 - 0.035	RATIO
Int. Perm. Comment			



Mannitol LOW

Result suggestive of malabsorption. Mannitol is absorbed through transcellular absorption (through the mucosal cells) and serves as a marker of transcellular uptake. Reduced transcellular absorption may indicate malabsorption. Suggest treating with glutamine, probiotics, aloe vera, glucosamine, FOS, glucosamine, MSN, pectin, zinc.

HIGH LACT/MAN RATIO

Increased paracellular permeability (between mucosal cells) allows macromolecules, toxins and antigens to cross the intestinal barrier and is associated with the following clinical conditions: Inflamm. Bowel Disease, Irritable bowel, malabsorption, malnutrition, ulcerative colitis, Crohn's Disease, Autism, Coeliac Disease, dysbiosis, Inflamm. joint disease, Rheumatoid arthritis, Inflammatory bowel disease, Ankylosing spondylitis, Reiter's syndrome, Chronic dermatological conditions, Schizophrenia, Allergic disorders, food allergies, trauma, alcoholism, anti-inflammatory drugs / corticosteroids and chemotherapy.

Tests ordered: INTPERM

(*) Result outside normal reference range

(H) Result is above upper limit of reference rang (L) Result is below lower limit of reference range