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NMT-UC Microbiome Pathway Worksheet

Transformed from state of system:	TSB: L-
Transformed to state of system:	TSB: L-

H-MB awareness, attunement, and congruence with the nested hierarchy of the H-MB/M-MB		
M-MB awareness, attunement, and congruence with the nested hierarchy of the H-MB/M-MB		
Adverse H-MB awareness, attunement, and congruence with disruptive OTC/IMF entities.		
Adverse M-MB awareness, attunement, and congruence with disruptive OTC/IMF entities.		
Deficient H-MB awareness, attunement, and congruence with beneficial OTC/IMF entities.		
Deficient M-MB awareness, attunement, and congruence with beneficial OTC /IMF entities.		
H-MB awareness, perception and response to biological terrain conditions in colonized tissues - pH, hydration, osmolality, oxygen gradient, and blood and lymph perfusion?"		
M-MB awareness, perception and response to biological terrain conditions in colonized tissues - pH, hydration, osmolality, oxygen gradient, and blood and lymph perfusion?"		
H-MB awareness, perception and response to M-MB genetic and metabolic signaling dialog producing beneficial or adverse epigenetic influence on H-MB genetic and metabolic chemistry morphology and physiology?"		
M-MB awareness, perception and response to H-MB genetic and metabolic signaling dialog producing beneficial or adverse epigenetic influence on M-MB genetic and metabolic chemistry morphology and physiology?"		
H -MB TSB of anchored emotion compromising efficient commensal relationship with the H-MB/M-MB:		
M-MB TSB of anchored emotion compromising efficient commensal relationship with the H-MB/M-MB:		
H -MB TSB of anchored emotion compromising H-MB identity within and efficient commensal relationship with the H-MB/M-MB:		
M-MB TSB of anchored emotion compromising H-MB identity within and efficient commensal relationship with the H-MB/M-MB:		
Treat the ASP portion of ARP of anchored emotion response is significant.		

Gut/brain and brain/gut chemical transport	Gut/brain	Brain/gut	TSB: Pre	TSB: Post
Integrity of gut epithelium – optimal regulation of zonulin production	☐			
Integrity of gut epithelium – optimal regulation of occludin production	☐			
Pathophysiological antibody production and inflammatory response to zonulin	☐			
Pathophysiological antibody production and inflammatory response to occludin	☐			
Integrity of gut epithelium – tight junctions and other junction types – paracellular leakage.	☐			
Integrity of gut epithelium –transcellular gut leakage, unregulated selectivity and rate of chemicals crossing the gut epithelium.	☐			

Name: Last/First | Date |

Gut/brain and brain/gut chemical transport	Gut/brain	Brain/gut	TSB: Pre	TSB: Post
Microbiome derived vitamins and nutrients – attention B vitamin, vitamin K, and influences on vitamin D, and SCFAs	☐			
Microbiome derived inflammatory or immune cell priming chemistries	☐			
Microbiome derived chemistries that influence tissue development and maturation	☐			
Purinergic signaling chemistries	☐	☐		
Exogenous toxins	☐	☐		
Exogenous counterfeit hormones	☐	☐		
Misfolded proteins, prions, other disruptive proteins	☐	☐		
Gut epithelium organelles and cellular debris	☐	☐		
Antibodies to occludin protein	☐	☐		
Antibodies to zonulin protein	☐	☐		
Antibodies to gut wall tissues	☐	☐		
	☐	☐		
	☐	☐		
	☐	☐		

Axes of communication, metabolism, sensory and "motor" signaling	TSB: Pre	TSB: Post
Gut - Microbiome		
Gut - Brain		
Gut - Skin		
Gut - Lung		
Gut - Liver		
Gut - Thyroid		
Gut - Pancreas		
Gut - Endocrine		
Microbiome – eyes, ears, nose, throat, gums, sinuses, lungs		
Microbiome – labia, vagina, uterus, endometrium, fallopian tubes		
Microbiome – urethra, epididymis and spermatic duct of the testicle, testicle, prostate		
Microbiome – kidneys, ureters, bladder, urethra		
Microbiome – liver, GB, pancreas, bile ducts		
Microbiome – breasts and mammary gland tissues		
Microbiome – lymphatic duct and nodal system		
Microbiome – brain, cord, ANSs		