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Enhanced Viral Cascade Pathway Worksheet

Transformed from system state:

TSB – L_{10}1000:

Transformed to system state:

TSB – L_{10}1000:

MRT to bring awareness to topics of interest and obtain desired metrics for the following Enhanced Viral Cascade Pathway issues. Metrics represent values for the H/M-MB. Ad hoc rows can be added in NMT-TV and labeled specific to any structure or system of interest.	**Pre - TSB**	**Post - TSB**
1) Compromised attunement and resonance with, awareness and comprehension of specified named or described organism/s of interest:		
2) Compromised attunement and resonance with, awareness and comprehension of the region of origin for specified organisms of interest:		
3) Compromised attunement and resonance with, awareness and comprehension of the actual and prospective region/s where there is active infection by the specified organism/s of interest:		
4) Compromised attunement and resonance with, awareness and comprehension of the host populations in regions of interest – those recovered infected with efficient immune responses to the specified infection.		
5) Compromised attunement and resonance with, awareness and comprehension of the host populations in regions of interest – those infected with inefficient or self-destructive cytokine storm immune responses to the specified infection:		
6) Compromised attunement and resonance with, awareness and comprehension of the infection vectors of interest: e.g., airplane travel, new locations or populations experienced with the pathogen infection of interest, e.g., hospitals, schools, responders, etc. Specify general or particular vectors:		
7) Compromised Attunement and resonance with morphogenic fields representing the cell intelligence of all neuroimmune and other cells that have preserved their biochemical integrity and sovereignty and successfully resisted the referenced pathogenic organisms and created protective immunity from future infection?		
8) ACE II enzyme/receptor vasoconstrictor : ACE 1-7 enzyme/receptor vasodilator : Renin/Aldosterone fluid regulation with attention to: type II alveolar cells (AT2) of the lung		
9) ACE II enzyme/receptor vasoconstrictor : ACE 1-7 enzyme/receptor vasodilator : Renin/Aldosterone fluid regulation with attention to: upper esophageal stratified epithelial cells		

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10) ACE II enzyme/receptor vasoconstrictor : ACE 1-7 enzyme/receptor vasodilator : Renin/Aldosterone fluid regulation with attention to: absorptive enterocytes - ileum & colon		
11) ACE II enzyme/receptor vasoconstrictor : ACE 1-7 enzyme/receptor vasodilator : Renin/Aldosterone fluid regulation with attention to: gall bladder and bile ductal cells		
12) ACE II enzyme/receptor vasoconstrictor : ACE 1-7 enzyme/receptor vasodilator : Renin/Aldosterone fluid regulation with attention to: myocardial cells		
13) ACE II enzyme/receptor vasoconstrictor : ACE 1-7 enzyme/receptor vasodilator : Renin/Aldosterone fluid regulation with attention to: kidney proximal tubule cells and bladder urothelial cells		
14) ACE II enzyme/receptor vasoconstrictor : ACE 1-7 enzyme/receptor vasodilator : Renin/Aldosterone fluid regulation with attention to: the oral and nasopharynx mucosa and tongue epithelium		
15) ACE II enzyme/receptor vasoconstrictor : ACE 1-7 enzyme/receptor vasodilator : Renin/Aldosterone fluid regulation with attention to: vascular and lymphatic endothelium		
16) ACE II enzyme/receptor vasoconstrictor : ACE 1-7 enzyme/receptor vasodilator : Renin/Aldosterone fluid regulation with attention to: skin		
17) ACE II enzyme/receptor vasoconstrictor : ACE 1-7 enzyme/receptor vasodilator : Renin/Aldosterone fluid regulation with attention to: CNS, ANSs, peripheral nerves		
Table of H/M MB systems, organs, etc. to be inserted in TV here. Aggregate metric for all referenced considerations to the H/M MB structures of interest.		
Components of The Innate and Acquired Immune Response		
Innate response – aggregate relative to TFS		
Innate response – specify cells, organs, regions, systems relative to TFS below:		
Cell sampling of all proteins it translates resulting from their processing by the cell proteasome causing some of each unique protein to be lysed into peptides representative of the parent protein, installation of each peptide to an MHC protein, installation of such MHCs into the plasmic membrane for specialized T-cell survey of cell metabolic conditions.		
Acquired response: lymphoid arm - specialized T lymphocytes efficiency to monitor peptides presented on plasma membrane MHC molecules and reveal all current cell protein manufacture – healthy host cell protein, host malignant or diseased cell protein, viral protein. TSB relative to TFS.		
Acquired response: lymphoid arm – efficiency of specialized T cells to activate B cells, macrophages, other immune cells enabling a robust response to appropriate targets. TSB relative to TFS.		
Acquired response: myeloid arm consisting of phagocytic granulocytes, macrophages, assisted in targeting by natural killer cells, helper cells, and dendritic cells, and the histaminic mast cells controlling fluid dynamics in the tissues. TSB relative to TFS.		
Acquired response: lymphoid arm - B lymphocytes, differentiating on activation into plasma cells that secrete antibodies. TSB relative to TFS.		

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Acquired response: lymphoid arm - cytotoxic T lymphocytes, which kill virus infected cells infected. Not an antibody response. TSB relative to TFS.				
Value of related NMT clinical pathways to resolve TFS	**Y**	**N**		
MRT for the Y/N energetic representing the value in applying IATFP regarding the referenced viral and other pathogens.				
MRT for the Y/N energetic representing the value in applying BMPP regarding the referenced viral and other pathogens.				
MRT for the Y/N energetic representing the value in applying ISOP regarding the referenced viral and other pathogens.				
MRT for the Y/N energetic representing the value in applying AAIP regarding the referenced viral and other pathogens.				
MRT for the Y/N energetic representing the value in applying TP regarding the referenced viral and other pathogens.				
MRT for the Y/N energetic representing the value in applying SMP regarding the referenced viral and other pathogens.				
MRT for the Y/N energetic representing the value in applying CDRP regarding the referenced viral and other pathogens.				
MRT for the Y/N energetic representing the value in applying ARP regarding the referenced viral and other pathogens.				
MRT for the Y/N energetic representing the value in applying _____ regarding the referenced viral and other pathogens.				
MRT for the Y/N energetic representing the value in applying _____ regarding the referenced viral and other pathogens.				
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