




# Hypersensitivity

## An Observational and Therapeutic Trial

1. Clinical Presentation and Symptom Progression
  2. Theory of Underlying Pathophysiology
  3. Therapeutic Trial based on Observation and Understanding
  4. Speed to Recovery as Proof of Concept.
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# Understanding Hypersensitivity

1. Mediated by IgE that requires previous Exposure to Antigen.
2. Type I reactions are of Rapid onset and Aggressive with a Mast cell degranulation leading to a Chemokine Storm
3. Type III reactions are Rapid in onset, not as aggressive, involve other chemical mediators like PAF and Chemotactic factors causing inflammation and Coagulation
4. The Untreated Spiral into Complications.

# First and Second Waves

1. Clinical Presentation and Biphasic Nature
2. Unusual Second Phase Symptoms
3. Theory of Underlying Pathogenesis: TYPE I
4. Therapeutic Trial based on Observation and Understanding.
5. Speed to Recovery and Rebound
6. Late Presenters and Inflammatory Cell Involvement

# Treatment Intervention

1. Steroids
2. Antihistamines as per Target Tissue
3. Leukotriene Inhibitors
4. Mast Cell Stabilisers
5. PAF
6. Optional interventions: Adrenaline  
Nebulisation; Bronchodilators.

# The Deadly Delta Wave

1. Change in Presentation of Second Phase
2. Speed to Recovery in Treatment of Second Phase
3. Anticoagulation became Critical
4. Biomarkers to gauge Disease Severity and Aggression of Treatment.
5. Change in Pathogenesis based on Observations




# The Omicron Variant

1. Milder Presentation and less Pathogenic
2. Neuropathy in Second Phase
3. Treatment Challenges and Success
4. Mast cells in Neuralgia
5. Poor Natural Immunity to Variants



# Understanding Long Covid

1. Not with Early, Aggressive Treatment
  2. Wide diversity of Symptoms and Systems affected
  3. Possible Mechanisms involved
  4. MCAS leading to tissue injury
  5. Therapeutic Interventions
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# Conclusions

1. Good understanding of Suppression of antigenic nature of Spike.
2. Super-antigen Theory and Observations
3. Research into Injection Effects and Medical Countermeasures to avoid injury
4. Halt all Biotechnology research until Rules of Engagement are in place