Summary of: A comprehensive SARS-CoV-2 and COVID-19 review, Part 1: Intracellular overdrive for SARS-CoV-2 infection

Key findings:

- SARS-CoV-2 infects multiple organs, including the lungs, intestines, brain, and heart.

- The virus primarily targets the ACE2 receptor, which is expressed on various cell types.

- SARS-CoV-2 hijacks host cell machinery to replicate, altering cellular metabolism.

- The virus affects mitochondrial function, leading to dysregulated ATP production.

- SARS-CoV-2 suppresses the host's immune response, promoting viral replication.

- The virus induces oxidative stress, leading to cell damage.

- SARS-CoV-2 interacts with various cellular proteins, hijacking cellular pathways.

- The virus alters host cell metabolism, promoting viral replication.

- SARS-CoV-2 hijacks the endosomal pathway to enter host cells.

- The virus hijacks host cell signaling pathways, promoting viral entry and replication.

- SARS-CoV-2 interacts with the host's antiviral response, suppressing IFN expression.

- The virus hijacks host cell machinery, promoting viral entry and replication.

- SARS-CoV-2 interacts with host cell components, promoting viral entry and replication.

- SARS-CoV-2 hijacks host cell pathways, promoting viral entry and replication.

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