

Effects of Vitamin D in Fighting a SARS-CoV-2 Infection

Improved Front-line Defense

Lung cells
↓ Permeability (viral spread)
↑ ACE-2

Anti-microbial activity
↑ Cathelicidin
↑ Defensins

Preventing the “Cytokine Storm”

↑ Dendritic Cell
Tolerance

↑ T regulatory cells
↓ CD4+ Th1 cell

↑ Anti-inflammatory
cytokines (IL-10)

↓ Inflammatory
cytokines (IL-6, TNF)
↓ CRP

