Early Intermediate Late Disease Progression

Pro-inflammatory cytokines
- IL-6
- TNF
- IL-1
- NO and respiratory burst
- Microbicidal Tissue damage
- CD4 T cell apoptosis
- NO upregulation
- MHC class II
- MR
- Antigen endocytosis
- Humoral immunity
- Allergic and anti-parasite responses
- Repair (arginase)

Antigen presentation
- CD4 T cell
- Cytotoxic T lymphocytes (CTL)
- CD8 T cell apoptosis
- CD8 T cell
- MHC class II downregulation
- Major Immune Suppression
- Opportunistic infections
- PGE2

Activation Status of Macrophages
- M1 +++
- M2 +++
- dM +
- M1 +
- M2 +
- IL-4, IL-13
- IL-10, TGFB, IFNα/β, IL-27
- Main Cytokines produced
- Low apoptosis (CD4 T cells)
- High anti-HIV defense (CTL)
- High inflammation
- Tissue injury (lymph nodes)
- Intermediate apoptosis (CD4 T cells)
- Clearace of opportunistic infections (MR)
- Steady-state level of viral reservoir
- Tissue repair
- MHC class II downregulation
- Activation Status of Macrophages

Figure 2