## Supplementary

Search strategy: Components from all three parts needed to be in the title or abstract to deliver a search hit. Part 1 determining that antiretroviral agents. Part 2 determining HIV infection, and part 3 handling PK or Therapeutic drug monitoring.

### Search terms

### Part 1: anti-retroviral agents

"Anti-Retroviral Agents"[Mesh] OR "Anti-Retroviral Agents" [Pharmacological Action]

OR

Anti Retroviral Agent\*[tiab] OR Antiretroviral Agent\*[tiab] OR Anti HIV Agent\*[tiab] OR Anti HIV Drug\*[tiab] OR Reverse Transcriptase Inhibitor\*[tiab] OR CCR5 Receptor Antagonist\*[tiab] OR CCR5 Receptor Blocker\*[tiab] OR Chemokine Co receptor 5 Antagonist\*[tiab] OR Chemokine Co receptor 5 blocker\*[tiab] OR Chemokine Coreceptor 5 Antagonist\*[tiab] OR Chemokine Coreceptor 5 blocker\*[tiab] OR HIV Cell Fusion Inhibitor\*[tiab] OR HIV Fusion Inhibitor\*[tiab] OR HIV Entry Inhibitor\*[tiab] OR HIV Integrase Inhibitor\*[tiab] OR HIV Protease Inhibitor\*[tiab] OR abacavir[tiab] OR atazanavir[tiab] OR darunavir[tiab] OR didanosine[tiab] OR dolutegravir[tiab] OR efavirenz[tiab] OR elvitegravir[tiab] OR emtricitabine[tiab] OR enfuvirtide[tiab] OR etravirine[tiab] OR fosamprenavir[tiab] OR lamivudine[tiab] OR lopinavir[tiab] OR maraviroc[tiab] OR nevirapine[tiab] OR raltegravir[tiab] OR rilpivirine[tiab] OR ritonavir[tiab] OR saquinavir[tiab] OR tenofovir[tiab] OR tipranavir[tiab] OR zidovudine[tiab] OR ART[tiab] OR cART[tiab] OR HAART[tiab]

### AND

### Part 2:HIV infections

“HIV infections”[MeSH]

OR

Acquired Immuno Deficiency Syndrome[tiab] OR Acquired Immunodeficiency Syndromes[tiab] OR Acute Retroviral Syndrome[tiab] OR HIV Infection[tiab] OR HTLV-III-LAV Infections[tiab] OR Central Nervous System AIDS Arteritis[tiab] OR HIV Associated Vasculitis of the Central Nervous System[tiab] OR HIV-Associated CNS Vasculit\*[tiab] OR HIV-1-Associated CNS Vasculit\*[tiab] OR AIDS Associated Cerebral Aneurysmal Arteriopathy[tiab] OR Human Immunodeficiency Virus Associated Nephropathy[tiab] OR HIV-Associated Nephropath\*[tiab] OR HIV-Related Nephropath\*[tiab] OR AIDS Nephropath\*[tiab] OR HIV Associated Cognitive Motor Complex[tiab] OR Acquired-Immune Deficiency Syndrome Dementia Complex[tiab] OR AIDS Related Dementia Complex[tiab] OR HIV Dementia\*[tiab] OR HIV-1 Cognitive and Motor Complex[tiab] OR HIV Encephalopath\*[tiab] OR AIDS Encephalopath\*[tiab] OR AIDS Related Complex[tiab] OR Lymphadenopathy Syndrome\*[tiab] OR ARC[tiab] OR AIDS Related Opportunistic Infection\*[tiab] OR HIV Related Opportunistic Infection\*[tiab] OR HIV Lipodystrophy Syndrome[tiab] OR HIV Associated Lipodystrophy[tiab] OR HIV Enteropathies[tiab] OR Idiopathic AIDS Enteropath\*[tiab] OR HIV-Associated Enteropath\*[tiab] OR AIDS Associated Enteropath\*[tiab] OR HIV Associated Enteropathy[tiab] OR AIDS Enteropath\*[tiab] OR HIV Seropositivit\*[tiab] OR Anti HIV Positivit\*[tiab] OR HTLV-III Seropositivit\*[tiab] OR HIV Seroconversion\*[tiab] OR HTLV-III Seroconversion\*[tiab] OR HIV Antibody Positivit\*[tiab] OR [tiab] OR HIV Wasting Disease[tiab] OR AIDS Wasting Syndrome[tiab] OR Wasting Syndrome, AIDS[tiab]

AND

### Part 3: PK and therapeutic drug monitoring

“Therapeutic drug monitoring”[MeSH]

OR

Therapeutic Drug Monitoring[tiab] OR Pharmacokinetics[tiab]