**Human diseases 2012**

1) Discuss the differential diagnosis of jaundice (icterus).   
2) Discuss the quasi-species concept in HIV. What enzyme is important and what is the mechanism?   
3) Discuss the differences in clinical presentation of Rheumatoid Arthritis and Alkylosing Spondylitis.   
4) Restrictive lung disease: give the definition, pathofysiology, causes, presentation and diagnosis.

Extra questions:   
For 1) What kind of tumors can cause icterus, what is a complaint in tumor patients that is cause for alarm, is the syndrome of Gilbert dangerous, what symptoms does viral hepatitis cause, what questions do you ask a patient with hepatitis?   
For 3) What causes most AS patients to go see a doctor?   
For 4) Which patients develop ARDS?