

## MODULE 1 - WORKSHOP 2

# CASE STUDIES

*Instructions: Answer the questions below on the basis of the data provided in the background information.*

### **Background information:**

Patient Z. is a 53-year old man who was infected with HIV probably in 1983. He has been treated with various regimens, starting in the early 1990s with AZT and ddI, followed by various NRTI, NNRTI and protease inhibitor containing combination therapies. In 1998, he stopped an Abacavir-containing regimen because of possible hypersensitivity reaction.

In his medical history, there was a cardiac infarction. He is currently on a regimen Lopinavir/r + Atazanavir but has an increase in viral load.

Genotype analysis shows multiple resistance mutations against PIs and nucleosides; tropism testing shows a „Dual / mixed“ virus, so the use of maraviroc is not indicated.

The patient is working shifts and irregular hours.

### **Questions:**

#### **1. What is the most likely cause for the increase of viral load?**

Answer:

**2. What additional information do you need from Mr. Z?**

Answer:

**3. What would be your recommendations for Mr. Z for next steps?**

Answer:

#### 4. What could be possible treatment options?

Answer: