

COMP3342
Tutorial/Case Study-1- Cancer

Case Study -1: Cancer

Ahmad, 55 year old, experienced some pain in his lower abdomen area. The pain was very strong and he has to go to a physician. Having reached Al-Razi hospital, he was admitted to the gastroenterologist department. He stated to the gastroenterologist that along with his pain he has the following symptoms: weight loss, diarrhea, and blood in stool.

The gastroenterologist has planned a colonoscopy and detected some polyps in his left colon and mass in the transverse colon. Several biopsies have been taken from his large intestine especially from the mass. During the colonoscopy procedure, several pictures were taken to record the different changes in the colon of the patient.

The biopsies have been sent to Al-Noor medical lab for the analysis of the polyps and the mass. Ten days later, the hospital was notified by the medical laboratory that the mass is malignant and the patient has stage 2 colorectal cancer. Consequently, the patient will have to go through a surgery (i.e., colectomy) to remove the mass and the affected parts of the large intestine. The patient will have to take 6 cycles of chemotherapy (FOLFOX) and a regular follow-up every 2 months for the first-year and on yearly basis afterward.

In groups, to follow up the above patient case between different health care provides, discuss the following:

- 1- What are the **patient data needs** required to follow up the above patient case?
- 2- What **healthcare providers** and what patient data needs to be exchanged between different healthcare providers?
- 3- Over the life-time of the above patient case, what patient data and **when** (or **at what points**) the data need to be exchanged? –

Draw this as a timeline (as shown in the lecture), tracing the process or the follow of care points or steps (the patient/Ahmad has to go through) for his healthcare, showing at each point, the different healthcare organisation/provider the patient had to visit, the data that have to be transferred between healthcare organisations, over the timeline of Ahmad's healthcare episode of care.