

# Radiotherapy

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## Abstract

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## **1 Patient Path**

### **1.1 Detection / diagnostic**

### **1.2 RT Prescription**

### **1.3 CT scan**

### **1.4 Contouring**

### **1.5 Dosimetry**

### **1.6 Treatment**

### **1.7 Follow-up**

## **2 Machines**

### **2.1 Molds / 3D-RT**

### **2.2 MLC-LINAC**

### **2.3 Tomotherapy**

### **2.4 CyberKnife**

### **2.5 Brachytherapy**

## **3 Irradiations techniques**

### **3.1 IMRT**

#### **3.1.1 Step and Shoot**

#### **3.1.2 Sliding Window**

### **3.2 VMAT**

## **4 Dosimetry steps**

### **Challenges**

### **4.1 BOO**

### **4.2 FMO**

### **4.3 LF**