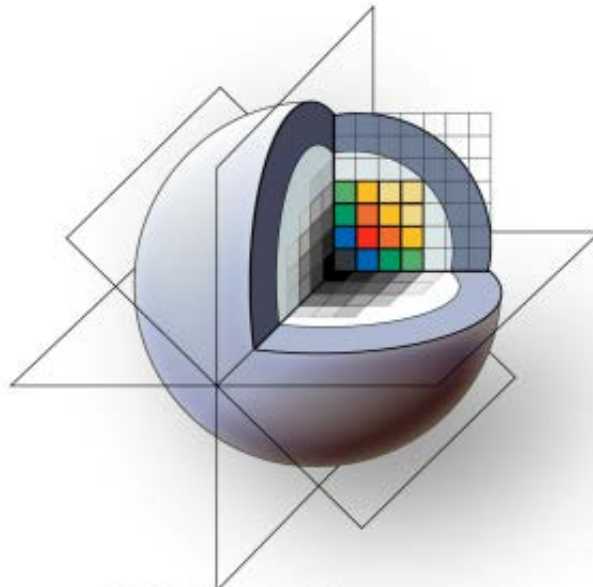




# Clinicians training program Mauritania

## MACbioIDi



### 3DSlicer

# Course description.

## Course Format

The course consists of lectures and the explanation of practical examples. Contents and lecture exercises will be provided through the e-learning platforms of the *MACbioIDI* project and there will also be available a local copy in the server of the project.

## Course Workflow

After the lessons, the teaching staff will provide comments to questions, proposals or any suggested issue. If users are already trained in the tools, the contents of each session will go into details in the modules exposed or a new 3DSlicer extension will be introduced.

## Expected Learning Outcomes

- Learning and understand how 3D slicer and Open Anatomy work, and their philosophy.
- Analyse medical imaging using 3D slicer and Open Anatomy.
- Work with sampling to solve a variety of problems.

## Course Objectives

The main objective of this course is to drill down from an overall view of the medical imaging technology to specific examples of its use in medical training. Along this course we will examine the 3D Slicer and the Open Anatomy projects and explore their use through practical examples.

## Course Discussion

After the training program, there will be discussion sessions in order to gather feedback from the clinicians and plan new training proposals or study how we can help from our laboratories. Some issues to examine could be:

- To propose a plan to introduce these applications in the subjects the clinicians teach.
- To propose research lines and joint projects to develop.



## **Medical Imaging Technology.**

**LESSON 1. Medical technology. 3D Slicer.**

**LESSON 2. 3D Slicer. Volumes.**

**LESSON 3. 3D Slicer. Load and visualization of segmented structures and 3D models.**

**LESSON 4. Getting deeper into 3D Slicer.**

**LESSON 5. Image Guided Therapy with 3DSlicer.**