

# Peak performance in surgery: How artificial intelligence can improve surgeon's performance?

Open-Source Research collaboration  
and

Clinica Imbanaco, Cali - Colombia

27-28<sup>th</sup> April 2023

Clínica Imbanaco  
Grupo  quirónsalud



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***N.B.** Please, bring your personal computer or tablet with you to the workshop. You are going to use it in the group exercises*

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Preliminary workshop program

<b>Day 1:</b>		
Introduction	Martin Canon/Alejandro De La Torr	9:00-9:05
The mathematical basis of AI	Alaa El-Hussuna	9:05-09:30
Questions and discussion		
Key considerations before implementation of AI	Alaa El-Hussuna	9:30-10:00
Questions and discussion		
Café, Tea break		10:00-10:15
AI In radiology: OSRC project	Zahra Sobhani Nia	10:15-10:45
<b>Setting group hands-on exercises 1</b>	Facilitators	10:45-11:00
<b>Working in groups</b>	Facilitators	11:00-14:00
Lunch break		12:00-13:00
Presentations & discussions of <b>group hands-on exercise 1</b>	Participants	14:00-16:00
Social media in research & innovation	Asif Mehraj	16:00-16:15
Open AI software	Computer science dept.	16:15-16:30
Computer simulation models & human anatomy project	Ahmad AbdulAzeez	16:30-16:45
Medical industry slot	TBA	16:45-17:00
<b>Day 2:</b>		
Introduction	Nicolas?	9.00-9:05
AI to improve surgical performance	Alaa El-Hussuna	9.05-9:30
Questions and discussion		
Synthetic and augmented data: OSRC project	Funmilola Wuraie	9:30-10:00
Questions and discussion		
Café, Tea break		10:00-10:15
Ethics in AI	Computer science dept.	10:15-10:30
<b>Setting group hands-on exercises 2</b>	Facilitators	10:30-10:45
<b>Working in groups</b>	Facilitators	10:45-13:00
Lunch break		12:00-13:00
Presentation of <b>group hands-on exercise 2</b>	Participants	13:00-16:00
About OSRC projects: How er do it?	Alaa El-Hussuna	16:00-16:30
Feedback and closing remarks	Martin Canon/Alejandro De La Torr	16.30-17:00