Clinicians' training about AI solutions to support COVID19 diagnosis

Abstract:

COVID19 pandemic has sped up the introduction of new technology, like AI, for the cure of the affected population. However, the healthcare workforce has still a clear need to be trained for a better use of those technologies. This challenge aims to develop an educational programme for clinicians to accompany the adoption of an AI solution developed by us in response to the pandemic.

Challenger:

Ciro Allarà, Researcher Bio Check Up Srl

Desired Impact:

- Improve professional education of clinicians and experts about the use of AI tools for diagnosis
- Correctly inform the patients about risks and benefits of AI tools

Expected outcomes:

Training and follow-up of almost 5 clinicians per hospital regarding the following topics:

- how to interpret the findings
- how to recognize risks and benefits
- how to explain to patients

Available Input:

- The proposed AI solution, which should be at the core of the educational programme, is based on deep neural network that is pre-trained on several COVID19 computed tomography (CT) images. It aims to recognize lung lesions fully automatically in CT images of patients with similar clinical case. The AI system can be used to support radiologists' diagnosis; for this purpose, their training about the right and conscious use of the tool is necessary. AI algorithm that estimates the percentage of lung volume affected by viral COVID19 pneumonia.
- 1 hours consultation possibility with Bio Check Up srl (9.11 from 3 to 4pm)