Caregivers' Perceptions of AI in 2018

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Problem position and objectives of the study:
AI and Big Data management have begun to revolutionize some sectors including health (1,2). Many, including the press and the media, come to speculate on the future of future physicians (3-6), so the important thing would be to anticipate the integration of AI into medicine (7). Nevertheless, the training of caregivers in this field is almost non-existent and their knowledge of the subject is related to the lack of training.

Materials and methods:
An online self-questionnaire was sent to young physicians through the network of various specialities residents associations and Scholarly societies. Individuals were surveyed on their characteristics, knowledge and perception on scales from 0 to 10 with respect to AI and its application in medicine. The data collected was anonymous.

Results & Discussion:
In total, from March 18, 2018 to April 25, 2018, 1266 people responded to the questionnaire. Most (n=844, 66.4%) rated AI positively but 11.4% (n=145) rated it negatively and expressed apprehension about it. 373 (29.5%) thought that physicians should be trained in AI while 860 (67.8%) thought that AI was already used in Medicine. Respondents average rate of their knowledge in AI was around 2.8/10. 1025 (80.9%) of respondents did not know any programming language but 550 (43.4%) would like to learn one. Respondents rated their interest in an AI-related event or training averagely around 8/10.

Conclusion:
This study identified a mixed perception of AI among caregivers, which was mostly positive, associated with a willingness to learn. Better information on Artificial Intelligence and the possibilities it offers, as well as training seem essential to better master this new tool and anticipate its integration into clinical practice.


Survey's link: https://goo.gl/forms/Za1i5IXbQhDJUl9x82