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Host Institution: H. Lee Moffitt Cancer Center & Research Institute, Florida, United States

Implementing new technical approaches in Geriatric Oncology care in Mexico

The purpose of this fellowship project is to obtain knowledge on state-of-the-art emerging data processing technologies and analytics and on their application in cancer care in older adults, with a focus on the management of large datasets (Big Data).

Big data approaches can be applied in cancer research and learning about these technical resources and about how they can be used to translate information into new ways to make therapeutic decisions could improve cancer care and delivery globally.

Several challenges to the use of such technologies exists in low- and middle-income settings like Mexico, but at the same time there are big opportunity areas in the field. The overarching purpose of the proposed fellowship is obtaining the knowledge necessary to develop, understand and analyse patient data in order to obtain variables, outcomes and relevant results that can be utilized to enhance the evidence base to improve the care of older adults with cancer in Mexico.

The proposed fellowship will provide me with the opportunity to learn new clinical techniques and skills, enhance technical capacities for information management, analysis, and interpretation of information, and obtain training in management of large databases in cancer epidemiology and allied analytical techniques in order to help with the analysis of cancer data and registries.