Designing nuclear neurology imaging research -handy tips for clinicians

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ABSTRACT

The 20th century was the century for the development of structural imaging of disease then it can say that the 21st century has the potential to be that of functional imaging. Significant advances especially in the molecular imaging technologies has driven up the utilization of this technologies in clinical imaging. In neurology, the molecular aspect of nuclear medicine imaging is playing an important role in the advancement of neuroimaging. It enables structural and functional data to be combined to provide a 'window' into the living brain. However, the human brain is known to be the most complicated organ for anyone to understand. This remains true even for the clinician, the group of people who were given the task of handling the organ medically. Despite all the clinical advancement, clinicians can still be at a loss and require assistance in guiding their clinical decision. Thus, good neurological research has to be formulated accordingly in order to answer the clinical questions at hand. It is hoped that this lecture will provide everyone, even more the clinician, with the necessary tips and tricks in designing outstanding nuclear neurology imaging research.