Deep Learning for Early Detection of Cancer

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Message from the Guest Editors

Cancer is one of the most common and leading causes of death throughout the world. The World Health Organization (WHO) estimates that around 10 million people die of cancer each year, which represents one sixth of the total deaths around the world. There are a lot of reasons behind the spread of cancer among people, such as smoking, high body mass index, alcohol consumption, and lack of physical activity. In addition to that, 30% of the total cancer cases are caused by human papillomavirus (HPV), hepatitis, and other cancer-causing infections.

Early detection of cancer can be a potential solution to reduce the mortality rate. Early treatment by detecting cancer at an early stage increases the probability of survival. Early detection can be performed in two ways: through screening tests and diagnosis. Screening tests are very expensive, which discourages people from lower- and middle-income countries. Thus, a deep learning approach can be a potential solution for the early diagnosis of cancer. This issue aims to collect novel deep learning approaches to detect any kinds of cancers at an early stage.

Special Issue

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Message from the Editor-in-Chief

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