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Clinical Outcomes of the Patients with Atrial Fibrillation-Associated Stroke : Korean Real World Clinical Data

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Atrial fibrillation is one of major causes of ischemic stroke and the burden of atrial fibrillation has been growing with aging of the population. Usually, Atrial fibrillation related stroke has several peculiarities. Atrial fibrillation cause in neurologically severe stroke. The survivors frequently remained dependent due to neurological sequelae. The mode of onset of atrial fibrillation associated stroke is very sudden. Therefore, about two thirds stroke eligible to endovascular thrombectomy have atrial fibrillation. Recently, the introduction of newer oral anticoagulants (NOACs) in clinical practice resulted in a lot of changes. NOACs were efficient to prevent ischemic stroke, and dramatically reduced the risk of hemorrhagic intracranial stroke than warfarin. Physicians feel comfortable to prescribe NOACs and patients can take the medicine conveniently. These changes were based on the data which were provided by clinical trials.

The stroke with atrial fibrillation has distinguished features in comparison with atrial fibrillation patients without stroke.

About a quarter of stroke patients with atrial fibrillation didn't take oral anticoagulation. A large proportion of stroke patients with atrial fibrillation are prescribed for reduced dose of oral anticoagulants. But, data obtained from clinical trials can not provide the answer for that situation. Unfortunately, the information about the role of NOACs in patients with atrial fibrillation associated stroke is limited. Furthermore, data about the Korea stroke patients are sparse. Therefore, we performed a project under the title of Korean ATrial fibrillaTion EvaluatioN regisTry in Ischemic strOke patieNts (K-ATTENTION). In this study, we tried to investigate the prescription pattern and effect of oral anticoagulants on secondary stroke prevention, and the predictors for secondary vascular event in stroke patients with atrial fibrillation.

So, in this session, we will discuss about the real-world data of atrial fibrillation associated stroke focusing on the results of K-ATTENTION study.