Introduction:
Stroke is one of the leading causes of morbidity and mortality, accounting for 11.13% of total deaths worldwide. The development of hyper-acute treatments such as thrombolysis, organization of stroke units has changed considerably the field of stroke medicine. In Republic of Moldova stroke in 2019 were registered 5937 new cases of stroke, including 4810 cases (81%) of Ischemic, 1009 cases (17%) of Hemorrhagic Stroke and 118 cases of Subarachnoid Hemorrhage (SAH). Prevalence of cerebrovascular diseases is 274.8, incidence is 30.3 per 10,000 population.

Methods:
A retrospective hospital-based study was conducted at EMI in Chişinău, RM. All medical records with a diagnosis of stroke were identified based on the ICD, R10, from January 01, 2019 to December 31, 2019. The aim of this study was to identify reasons acute stroke patients did not receive thrombolysis.

Results:
Out of 456 patients 248 (54.4%) were male and 208 (45.6%) were female, the mean age of the patients was 60.4±17.4 years. 79.4% of acute ischemic stroke patients did not receive thrombolytic therapy (n=362). The incidence of different risk factors in ischemic stroke were as follows: 42.6% hypertension, 32.7% smoking, 32.2% alcohol intake, 24.8% diabetes, 22.6% coronary artery disease, 18.6% dyslipidemia, 16.6% dysrhythmia, 13.4% previous stroke, 10% inactivity, 8.8% transient ischemic stroke in the past. The most common reason who did not receive thrombolytic therapy were: exceedance of time window 34.2%; low or improved NIHSS 19.8%; uncontrolled blood pressure 6.8%; stroke mimics 5.6%; history of stroke in the past 3 months 4.2%; history of gastrointestinal bleeding 2.8%; family refusal 1.4%; and no alteplase availability 2.0%.

Conclusion:
In the RM only 20.6% of ischemic stroke patients receive thrombolytic. The most common reason who did not receive thrombolytic therapy were: exceedance of time window 34.2%, low or improved NIHSS 19.8%, uncontrolled blood pressure 6.8%, stroke mimics 5.6% and history of stroke in the past 3 months 4.2%.