**SUPPLEMENTARY MATERIAL1: Selection of study participants**

Total patients visited the emergency and maternity ward during the study period suspected and confirmed to be stroke: 146 patients

**Excluded study participants in EOPD: 21**

* TIA or improved in the emergency: 6
* Hematoma linked to surgical ward: 3
* Other medical condition: 2
* Lost to follow up: 1
* Left against medical advice: 3
* Referred to other hospital: 2
* Died before evaluation: 2
* Normal imaging:2

Total patients admitted to stroke unit within 4months:125

Excluded from the study: 9 patients

Fulfilling inclusion criteria

* TIA: 2
* Transformation:1
* Non responsive: 0
* Undetermined stroke clinically: 1
* Hematoma: 2
* Normal imaging:2
* Other medical case (epilepsy): 1
* Stroke readmission: 0

Clinical alone based diagnosis

Imaging based diagnosis (CT scan)

ICH: 23

ICH: 28

SAH: 2

IS: 30

SAH: 3

IS: 30

HS: 56

IS: 60

Exposed group: 56

Non-exposed group: 60

Total patients included in the final analysis: 116

\* CT: computed tomography, EOPD: Emergency outpatient department, IS: ischemic stroke, HS: hemorrhagic stroke, SAH: subarachnoid hemorrhage, ICH: Intracerebral hemorrhage, TIA: transient ischemic attack

**Figure 2:** Selection of study population of eligible adult stroke patients admitted to stroke unit of JUMC.