**Table 1. Demography Characteritic Of The Participants**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Sample Characteristic** | | **N(30)** | **%** |
|  |  | |  |  |
|  | **Sex** | |  |  |
|  | - | Male | 12 | 40,0 |
|  | - | Female | 18 | 60,0 |
|  | **Age** |  |  |  |
|  | - | 57 year | 20 | 66,7 |
|  | - | >57 year | 10 | 33,3 |
|  | **Ethnic** |  |  |  |
|  | - | Acehnese | 2 | 6,7 |
|  | - | Bataknese | 14 | 46,7 |
|  | - | Javanese | 3 | 10,0 |
|  | - | Karonese | 4 | 13,3 |
|  | - | Melayunese | 1 | 3,3 |
|  | - | Minangnese | 5 | 16,7 |
|  | - | Sundanese | 1 | 3,3 |
|  | **Occupation** | |  |  |
|  | - | Housewife | 12 | 40,0 |
|  | - | Farmer | 2 | 6,70 |
|  | - | Civil Servant | 7 | 23,3 |
|  | - | Enterpriser | 8 | 26,7 |
|  | - | Honorary | 1 | 3,30 |
|  | **Education** | |  |  |
|  | - | College | 3 | 10,0 |
|  | - | Elementary High Scholl | 4 | 13,3 |
|  | - | Junior High School | 4 | 13,3 |
|  | - | Senior High School | 19 | 63,4 |
|  | **Head CT Scan** | |  |  |
|  | - | Ischemic Stroke | 18 | 60,0 |
|  | - | Hemmorhagic Stroke | 12 | 40,0 |
|  | **Risk Factor** | |  |  |
|  | - | Hypertension | 27 | 90,0 |
|  | - | *Diabetes Mellitus* | 12 | 40,0 |
|  | - | Smoking | 3 | 10,0 |
|  | - | Dyslipidemia | 7 | 23,3 |
|  |  |  |  |  |

**Tabel 2. Demography Characteristic of Acute Ischemic And Hemmorhagic Stroke**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Characteristic | Acute Ischemic Stroke (n=18) | Acute Hemmorhagic Stroke (n=12) | *p* |  |
| Age, mean ± SD | 58,7 ± 8,1 | 55,3 ± 9,7 | 0,305\* |  |
| Sex, n (%)   * Male * Female | 6 (33,3)  12 (66,7) | 6 (50,0%)  6 (50,0%) | 0,458\*\* |  |
| Ethnic, n (%)   * Sumatera * etc   Occupation, n (%)   * Civil Servant * etc   Education   * ≤ 9 year * > 9 year | 17 (94,5)  1 (5,5)  6 (33,3)  12 (66,7)  4 (22,2)  14 (77,8) | 9 (75,0)  3 (25,0)  1 (8,3)  11 (91,7)  4 (33,3)  8 (66,7) | 0,560\*\*\*  0,656\*\*\*  0,431\*\*\* |  |

\**t-independent Test*, \*\**Fisher*’*s Exact Test*, \*\*\**Mann Whitney Test*

**Table 3. Demography Characteristic of Acute Ischemic And Hemmorhagic Stroke Based On Stroke Risk Factors And Mean Level of *CK-MB*, Troponin T, Hemoglobin and Electrolyte**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Characteristic** | | **Acute** | **Acute** | ***p*** |
|  |  | **Ischemic** | **Hemmorhagic** |  |
|  |  | **Stroke (n=18)** | **Stroke (n=12)** |  |
|  | |  |  |  |
| **Risk Factors** | |  |  |  |
| - | Hypertension | 15 (83,3) | 12 (100,0) | 0,255\*\* |
| - | Diabetes Mellitus | 10 (55,6) | 2 (16,7) | 0,058\*\* |
| - | Smoking | 1 (5,6) | 2 (16,7) | 0,548\*\* |
| - | Dyslipidemia | 6 (33,3) | 1 (8,3) | 0,193\*\* |
| **CK-MB**, mean ± SD (U/L) | | 31,2 ± 9,2 | 34,9 ± 7,1 | 0,241\* |
| **Troponin T**, mean ± SD ( g/L) | | 0,03 ± 0,007 | 0,03 ± 0,02 | 0,067\*\*\* |
| **Hemoglobin,** | |  |  |  |
| - Male, mean ± SD (g/dl) | | 13,6 ± 0,9 | 13,9 ± 1,8 | 0,676\* |
| - | Female, mean ± SD(g/dl) | 13,0 ± 1,8 | 12,46 ± 2,1 | 0,582\* |
| **Sodium**, mean ± SD (mEq/L) | | 135,7 ± 1,5 | 139,7 ± 4,8 | 0,317\*\*\* |
| **Potassium**, mean ± SD (mEq/L) | | 3,7 ± 0,5 | 3,6 ± 0,5 | 0,625\* |
| **Chloride**, mean ± SD (mEq/L) | | 101,4 ± 7,1 | 104,8 ± 3,4 | 0,359\*\*\* |

\**t-independent Test*, \*\**Fisher*’*s Exact Test*, \*\*\**Mann Whitney Test*.

**Table 4. Association Between *Creatine Kinase-Myocardial Band*, Troponin T, Hemoglobin And Electrolyte With Acute Stroke**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Acute | | | Acute | | | p value |
|  |  | Ischemic  Stroke | | | Hemmorhagic  Stroke | | |  |
|  |  | n (%) | | | n (%) | | |  |
|  |  |  |  | |  |  | |  |
| *CK-MB* | Normal | 5 | (27,8) | | 1 | (8,3) | | 0,204\* |
|  | High | 13 | | (72,2) | 11 | | (91,7) |  |
|  | Total | 18 | | (100,0) | 12 | | (100) |  |
| Troponin T | Normal | 18 | | (60,0) | 12 | | (40,0) | 0,273\*\* |
|  | Total | 18 | | (60,0) | 12 | | (40,0) |  |
| Hemoglobin | Low | 1 | (66,7) | | 2 | (33,3) | | 0,500\* |
| Male | Normal | 5 | (83,3) | | 4 | (66,7) | |  |
|  | Total | 6 | (100,0) | | 6 | (100,0) | |  |
| Hemoglobin | Low | 2 | (16,7) | | 1 | (16,7) | | 0,747\*\*\* |
| Female | Normal | 9 | (75,0) | | 5 | (83,3) | |  |
|  | High | 1 | (8,3) | | 0 | (0,0) | |  |
|  | Total | 12 | | (100,0) | 6 | (100,0) | |  |
| Sodium | Low | 8 | (44,8) | | 3 | (25,0) | | 0,209\*\*\* |
|  | Normal | 9 | (50,0) | | 7 | (58,3) | |  |
|  | High | 1 | (5,6) | | 2 | (16,7) | |  |
|  | Total | 18 | | (100,0) | 12 | | (100,0) |  |
| Potassium | Low | 6 | (33,3) | | 7 | (58,3) | | 0,328\*\* |
|  | Normal | 12 | | (66,7) | 5 | (41,7) | |  |
|  | Total | 18 | | (100,0) | 12 | | (100,0) |  |
| Chloride | Low | 2 | (11,1) | | 0 | (0,0) | | 0,068\*\*\* |
|  | Normal | 15 | | (83,3) | 9 | (75,0) | |  |
|  | High | 1 | (5,6) | | 3 | (25,0) | |  |
|  | Total | 18 | | (100,0) | 12 | | (100,0) |  |

**\****Fisher’s ExactTest*, \*\* *Chi-Square Test*, \*\*\**Mann Whitney Test*.