**Supplementary table 1.** Carotid imaging in patients with ischemic stroke who were **alert at admission** (n=37413) dependent on patient characteristics and risk factors

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | Carotid imaging n (%) | P value |
| Sex | Female | 9173/17382 (53) | <0.0001 |
| Male | 12878/20031 (64) |
| Hypertension\* | Yes | 12884/23189 (56) | <0.0001 |
| No | 9095/14086 (65) |
| Atrial fibrillation | Yes | 4271/10103 (42) | <0.0001 |
| No | 17688/27165 (65) |
| Diabetes mellitus | Yes | 4528/7873 (58) | 0.015 |
| No | 17484/29469 (59) |
| Smoking | Yes | 3937/5264 (75) | <0.0001 |
| No | 16960/29852 (57) |
| History of stroke | Yes | 2938/8764 (45) | <0.0001 |
| No | 18037/28501 (63) |
| Care at stroke unit‡ | Yes | 18270/29598 (62) | <0.0001 |
| No | 3723/7736 (48) |
| Hospital type | University | 5089/7697 (66) | <0.0001 |
| Specialized non-university | 9816/16997 (58) |
| Community | 7146/12719 (56) |
| Region | Northern | 1776/3954 (45) | <0.0001 |
| Uppsala-Örebro | 4297/8492 (51) |
| Stockholm | 5171/7405 (70) |
| South-eastern | 2525/3834 (66) |
| Western | 3399/6581 (52) |
| Southern | 4883/7147 (68) |

\* Defined by blood pressure lowering medication at admission

† Including care at intensive care or neurosurgical units

**Supplementary table 2.** Independent determinants in all patients with ischemic stroke who were **alert at admission** (n=37143) for not undergoing carotid imaging\*

|  |  |  |
| --- | --- | --- |
|  | OR (95% CI) | P value |
| Age†  65-74 years  75-84 years  ≥ 85 years | 1.29 (1.19; 1.40)  2.45 (2.26; 2.66)  9.58 (8.77; 10.46) | <0.0001  <0.0001  <0.0001 |
| Female Sex | 1.26 (1.20; 1.32) | <0.0001 |
| Atrial fibrillation | 1.85 (1.75; 1.96) | <0.0001 |
| Diabetes mellitus | 1.17 (1.10; 1.25) | <0.0001 |
| Smoking | 0.89 (0.83; 0.96) | 0.003 |
| History of stroke | 2.16 (2.04; 2.29) | <0.0001 |
| Care at stroke unit | 0.57 (0.53; 0.60) | <0.0001 |
| Hospital type‡  Specialized Non-university  Community | 1.26 (1.18; 1.35)  1.43 (1.33; 1.54) | <0.0001  <0.0001 |
| Region  Northern  Uppsala-Örebro  Stockholm  South-eastern  Western  Southern | 4.15 (3.77; 4.56)  2.76 (2.55; 2.99)  reference  1.24 (1.12; 1.37)  2.68 (2.47; 2.91)  1.08 (0.99; 1.18) | <0.0001  <0.0001  -  <0.0001  <0.0001  0.067 |

OR indicates odds ratio; CI, confidence interval.

\* Based on logistic regression with backward stepwise elimination including all associated variables in univariate analysis (<0.05, Supplementary table 1)

† With age < 65 years as reference

‡ With university hospital as reference

**Supplementary figure.** Proportion of carotid imaging (%) in patients with (a) TIA and (b) ischemic stroke in relation to age and a history of stroke

(a) TIA

(b) ischemic stroke