Supplementary data

**Table 1.** Total baseline characteristics of study patients with dementia (n = 892) and comparison with geriatric patients with no cognitive symptoms (n = 203)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Baseline characteristics(n) % | Dementia(n = 676) | Cognitive impairment(n = 216) | Dementia/cognitive impairment(n = 892) | Older patients with no cognitive symptoms(n = 203) | P-value |
| ***Age:*** Mean ± SD, year | 80.1 ± 7.4 | 76.2 ± 8.6 | 78.9 ± 8.0 | 77.3 ± 7.5 | 0.01\*\* |
| ***Sex*:** women | 67.6% | 59.2% | 65.4% | 70.0% | 0.001\*\* |
| ***TMSE*** (mean ± SD) | 19.3 ± 6.7 | 23.8 ± 6.3 | 20.2 ± 6.8 | 24.7 ± 4.5 | 0.001\*\* |
| ***Underlying disease*** |  |  |  |  |  |
| * Hypertension
 | 66.7% | 64.7% | 66.3% | 75.9% | 0.02\*\* |
| * Hyperlipidemia
 | 58.4% | 57.8 % | 58.7% | 65.0% | 0.10 |
| * Diabetes
 | 32.7% | 29.8% | 32.0% | 32.5% | 0.99 |
| * Chronic kidney disease
 | 16.6% | 15.1% | 16.5% | 13.8% | 0.29 |
| * Stroke
 | 13.5% | 14.7% | 13.7% | 10.8% | 0.22 |
| * Cancer
 | 3.9% | 4.6% | 4.1% | 5.4% |  0.001\*\* |
| * Pulmonary disease
 | 1.9% | 3.2% | 2.3% | 3.0% | 0.60 |
| * Osteoarthritis
 | 12.8% | 17.9% | 14.0% | 35.5% |  0.001\*\* |
| * Depression
 | 2.8% | 11.0% | 4.7% | 8.9% |  0.05\*\* |
| * Liver diseases
 | 0.9% | 0.9% | 1.0% | 1.5% |  0.53 |
| * Thyroid diseases
 | 5.5% | 3.7% | 4.8% | 6.4% |  0.46 |
| * Impaired fasting glucose
 | 9.0% | 17.0% | 10.3% | No data |  0.001\*\* |
| * Anemia
 | 4.9% | 6.9% | 5.4% | 5.4% |  0.97 |
| ***Basic ADLs*** |  |  |  |  |  |
| * Totally independent
 | 73.6% | 92.7% | 79.1% | 77.8% |  |
| * Partially dependent
 | 20.0% | 6.0.% | 15.7% | 21.2% | 0.20 |
| * Totally dependent
 | 6.4% | 0.9% | 5.0% | 1.0% |  |
| ***Healthcare insurance(missing n = 28)*** |  |  |  |  | 0.01\* |
| * **CSMBS**
 | 65.6% | 69.7% | 67.5% | 73.4% |  |
| * Self-insuring
 | 28.4% | 25.7% | 27.1% | 16.7% |  |
| * Universal Coverage
 | 6.0% | 3.7% | 5.2% | 9.4% |  |
| * Social Security scheme
 | 0.0% | 0.9% | 0.2% | 0.5% |  |
| ***Education (missing n = 44)*** |  |  |  |  | 0.001\* |
| * No data
 | 11.7% | 6.4% | 10.6% | - |  |
| * No education
 | 6.0% | 4.6% | 5.9% | 5.9% |  |
| * Primary school
 | 41.7% | 29.8% | 37.5% | 44.3% |  |
| * Junior high school
 | 6.3% | 5.5% | 6.2% | 5.9% |  |
| * Secondary school
 | 10.7% | 12.8% | 11.8% | 8.9% |  |
| * Diploma
 | 5.8% | 10.1% | 7.0% | 7.9% |  |
| * Bachelor degree
 | 14.4% | 23.4% | 16.5% | 27.1% |  |
|  - > Bachelor degree | 3.3% | 7.3% | 4.6% | 0.0% |  |
| ***Treatment (%)***  |  |  |  |  |  |
| * AChEIs
 | 61.2% | 6.0% | 47.2% |  NA |  |
| * Memantine
 | 23.5% | 0.9% | 18.3% | NA |  |
| * Antidepressants
 | 30.4% | 12.8% | 26.3% |  NA |  |
| * Antipsychotics
 | 26.9% | 16.5% | 25.8% |  NA |  |
| * Sedatives
 | 2.3% | 3.2% | 2.5% |  NA |  |

Tested via \* Pearson chi-squared test and \*\* independent-sample t-test

Abbreviations: ADL, activities of daily living; AChEIs, acetylcholine esterase inhibitors; CSMBS, Civil Servant Medical Benefits Scheme; NA, not available

**Table 2** Presence and number of other geriatric syndromes in patients with and without cognitive impairment

|  |  |  |  |
| --- | --- | --- | --- |
| Presence ofother geriatric syndromes | Patients withcognitive problems(n = 892) | Patients withno cognitive problems(n = 203) | P-value |
| Delirium  | 16.4% | 0.9% | < 0.001 |
| Depression  | 8% | 5.7% | 0.129 |
| Insomnia  | 28% | 25.3% | 0.301 |
| Falls  | 14.9% | 10.1% | 0.012 |
| Immobility  | 8.8% | 5.2% | 0.010 |
| Incontinence  | 48.4% | 30.9% | < 0.001 |
| Weight loss | 7.4% | 5.5% | 0.185 |
| Loss of appetite  | 14.9% | 9.3% | 0.003 |
| Total number of other geriatric syndromes - Mean (SD)- Median (IQR) | 2.32 ± 1.192.0 (1,3) | 1.84 ± 1.042.0 (1,2) | < 0.001 |

Table 3: Healthcare insurance and proportion of PwD receiving pharmacological treatment for dementia

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Healthcare insurance | AChEIs | Memantine | Antidepressants | Antipsychotics | Sedatives | Anticonvulsants |
| * CSMBS
 | 51.5% | 22.1% | 25.6% | 23.9% | 3.4% | 0.3% |
| * Self-insuring
 | 53.0% | 15.3% | 27.5% | 26.3% | 0.8% | 0.8% |
| * Universal Coverage
 | 77.8% | 22.2% | 24.1% | 29.6% | 1.9% | 0% |
| * Social Security Scheme
 | 100% | 0% | 0% | 0% | 0% | 0% |

AChEIs, acetylcholine esterase inhibitors; CSMBS, Civil Servant Medical Benefits Scheme