

Research Article

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Classification of the Behavioral and Psychological Symptoms of Dementia and Associated Factors in Inpatients in Psychiatric Hospitals – with Special Reference to Rehabilitation

Shigehito Shiota^{1,3*}, Yuki Sugimoto¹, Chiga Murai¹, Maki Kitamura², Shoryoku Hino², Tatsuru Kitamura² and Katsuyuki Shibata³

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| NPI items | NPI score* (mean ± SD) | Patients with symptoms (%) |
|--|------------------------|----------------------------|
| Delusions | 3.5 ± 4.5 | 44.9 |
| Hallucinations | 2.6 ± 4.2 | 33.0 |
| Agitation | 5.9 ± 4.7 | 70.5 |
| Depression | 1.3 ± 2.8 | 22.7 |
| A}¢i^c^ | 2.8 ± 4.2 | 37.5 |
| Euphoria | 0.7 ± 1.9 | 14.8 |
| Apathy | 2.9 ± 3.9 | 44.3 |
| Disinhibition | 3.1 ± 4.1 | 44.3 |
| Irritability | 5.0 ± 4.5 | 62.5 |
| Aà^¦¦æ}c { [c[¦ à^@æçi[¦ | 4.8 ± 4.8 | 56.3 |
| S ^^] æ}å }å*©cci { ^ à^@æçi[¦ åå∙[¦å^¦∙ | 4.5 ± 4.7 | 54.5 |
| A]]^các^ æ}å ^æä}* åå∙[¦å^¦∙ | 1.7 ± 3.4 | 24.4 |

Cæ|&`|æc^å æ••^ç^¦ic^ ~;^^}&^; !æ}*^0.12



- 4. R^][ic•-i[{ c@^å}ç^•ci*æciç^&[{ {i••i[} [} {^cæ]@^æjc@ æ}å _^i-æ!^å; c@^ -`c`!^^żi}Jæ]æ}^•^á.Jæ]æ}^•^Mi}i•c!^ [-H^æjc@, Læà [`!æ}å Y^]-æ!^ Y^à•ic^. 5. L[à[A, Læ^{*}}^! LJ, F!ædi^{*}|i[]^à L, A}å^!•^} K, Dì Cæ!|[A, ^c æ]. (2000) P!^çæl^}&^ [-â^{^}ciæ æ}â {æl[!•`àc^{*}]^•i} E^{*}![]^: A &[||æà[!ædç^ •c^{*}â^{*}]][]^{*}|ædi[}-àæ•^å &[@[!c•. N^*![|[*i& Di•^æ•^•i} c@^ E|å^!|[°] R^•^æ!&@G![^{*}]. N^*![|[*^{*} 54: S4-S9.
- 6. Få}\^| SI (2003) B^@æçå[¦æ| æ}å]•^&@[|[*å& •^{]c[{• [- å^{^}dæ. C|å} G^liæcl M^å 19: 799-824.
- Llåł^ R [åł³*^: JJ, F^!lå CP, A&[•cæ D, G`^!læ M, H`æ}* Ÿ, ^cæ]. (2008) P!^cæl^}&^ [-å^{^}cæ i} Lædi} A {^!i&æ, !}åiæ æ}å C®i}æ: A][] *]ædi[}-àæ•^å &![••••^&di[}æ] •*'iç^^. Læ}&^c 372: 464-474.
- 1. Glæç^• AB, Læl•[] EB, Eålæ}å SD, B[,^] JD, M&C[l{&\ YC, ^c æl. (1996) $P_{c}^{*} = P_{c}^{*} = A_{c}^{*} = A_{c$
- $[-K_{i}]^{*}C[^{*}]_{c^{*}}, Y_{a^{\bullet}} \otimes_{i}]^{*}c[] \bullet cac^{*}. T_{a^{*}} K_{a} \{^{*} P_{i}|_{b^{*}} \&. A \{ J E_{i} \otimes_{i}^{a^{*}} \{ \delta_{i} || 144:$
- 760-771.
- 372: 430-432.

- 2. L榕[} EB, Læ}*æ KM (2008) T@^ ¦å•å}* då^ [~ å^{^}ciæ , [¦|å,åå^. Læ}&^c
- References

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Tatsuru Kitamura.

Mæl&[C, Næ æ] A, T@i^ll^ V, Mæliæ E S, Gi^{*}•^]]^B, ^cæ]. (2013) B^@æçi[iæ] æ}å]•ˆ&@[[[*i&æ] •`à•^}å![{^• i} A]:@^i{^iq• åi•^æ•^ *•i}* c@^ N^*![]•ˆ&@iæcli& I}ç^}c[i^. I}c J G^liæcl P•^&@iæcl^ 28: 795-803.

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- - 14. F¦å• [}å GB, R [: :å}å L, G [: : ^cci A, Bå}^cci G, Zæ}^cci O, ^c æ|. (1999) B^@æçå[!æ| •^}å¦[{^•i} Å|:@^i{^!q• åi•^æ•^: D^•&!i]ci[}æ}å &[!!^|æc^•. D^{{^}c G^!iæc!} C[*} Di•[¦å 10: 130-138.
 - 15. Milæ\@`¦ A, Clæi* D, Hælc DJ, M&L||[^ SP, Pæ•• { [|^ AP (2004) B^@æçi[læ| æ}å]•^&@[|[*i&æ| •^}å![{^• i} A|:@^i{^!q• åi•^æ•^. I}c J G^!iæc! P•^&@iæc!' 19: 1035-1039
 - 16. F^{*}@ JL, Li^{*} CK, M^{*}æ MS, Yæ}* SD, C^{*} { {i}*• JL (2001) B^{*}@æçi[¦æ| åi• [¦å⁺• æ}å &æ!^*iç^!•q !^æ&ci[} i} Tæi,æ}^•^]æci^}c• ,ic@ A|:@^i {^!q• åi•^æ•^. I}c Psychogeriatr 13: 121-128.
 - 17. S]æ||^ccæ G, Bæ|åi}^cci F, B * && ' M^*æMSE MSF

- 7. Gicji JLN, C[:&[:æ] M, Yi]c^\ L, B[^&^ A, Hæ`&\ YY (2001) A !æ }å[{i:^å, &[]c![||^å cliæ| [-æ@[{ ^ }çi [] { ^ci]c^!ç^}ci []: ^--^&c [] ^-,&æ& æ }å `] •^c i } &æ!^*ic^!• æ }å [} &æii ^ -`}&ci [}]^!•[]• , ic@ å^ { ^ciæ. G^![]c[[!*i•c 41: 4-14.

9. G¦æ-- MJL, V^\}[[ä-Dæ••^} MJFJ, H[^-}æ*^|• YHL, D^\\^\ J, Yác^ á^ LP (2003) O&&]æci[}æ|c@^!æ]^æc@[{^-[! [|å^\ å}åiçiá^{*}æ|• ,ic@ {iå c[{[å^!æc^ &[*}àiġc^ å {]æâ!{^}c• æ}å c@^it]}iá {æ!^ &æ!^*iç^\•: A]å|[c •c^{*}å. O&&] T@^!

 $10. \ G^{+}_{\& \sim} \ MJ, \ V^{+} \} \ [\ [\& -D & \bullet \bullet^{+} \} \ MJ, \ T \& \& \bullet \bullet^{+} \} \ M, \ H \ [\ \sim \} & *^{|\bullet|} \ Y \ H, \ R \& \ \wedge^{+} c \ MG \ (2006)$

11. Aæ∣c^} P, V^¦@^^ FR, B[:å\å M, B`||[å\ R, B^¦}^ EJ, ^c æ]. (2007) N^`¦[]•^&@iæciå •^}å¦[{^•i} å^{^}ciæ. R^•`∣c•-¦[{ c@^ E`¦[]^æ} A|:@^á{^\ Dà•^æ•^ C[}•[!ciັ {: Pæ!c I. D^ {^}c G^\iæci C[* } Di•[!å 24: 457-463.

12. Aælc^} P, D^ V*c ME, L[*•à^!* R, K[!c^} E, Jæ•]^!• N, ^c æl. (2003) B^@æçi[!æl]]![à|^{• i} å^{ {ntia: A factor analysis of the neuropsychiatric

&æ¦^ *iç^¦•: Ræ}å[{ i•^å &[}c! [||^å c!iæ|. BMJ 333: 1196.

i}c^}c[¦^. D^ { ^}c G^\iaction C[* Di• [\a 15: 99-105.

C[{{`}ic^ àæ•^å [&&`]æci[}æ| c@^!æ]^ -[!]æci^}c• ,ic@ å^{^}cæ æ}å c@^i!

- Biclij LN, Hæ^{*}&\ YY, D^}}i^o MP, Yi}c⁺L (2005) Mæi}c⁺}æ}&^ [- ^---^&c^o
 [- c@⁰ @[{ ^ }çi][}{^}cæ] •\i]|-à^{*}i|åi}^{*}]![^{*}!æ{ -[! -æ { i]⁶ &æ!^*iç^!• æ}å i}åiçià^{*}æ][•], ic@ A|:@^i {^!q• åi•^æ•^ æ}å i^]æc^â åi•[iå^!•. J G^![]c[| A Bi[|

S&i M^å S&i 60: 368-374.

J Res 23: 155-163.

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{ ^c@[å -[| *|æåi}* c@^ &[*]&i¢^ •cæc^ of patients for the clinician. J Psychiatr Res 12: 189-198.

22. Ni•@i { `¦æ T, K [àæˆæ•@i T, Hæ¦i* `&@i S, Tæ\^åæ M, F`\` }æ*æ T, ^c æ|. (1993) S&æ|^• -[¦ { ^cœ! •œc^ æ}å åæi|ˆ |içi} * æ&ciçizi^• -[¦ c@^ \|å^!|ˆ: C|i}i&æ) à^@æçi [¦æ|