Patient and Caregiver Characteristics Associated with Depression in Dementia Caregivers

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Background: Activities of Daily Living (ADL) and Instrumental Activities of Daily Living (IADL) measuring the dependence of activities of daily living of dementia patients are the traditional predictors of caregivers’ depression. The most problematic and stressful event in daily caregiving that caused depression was communication difficulties; however, this factor has not been included either in the ADL or the IADL scale. Besides this, the characteristics of a caregiver may contribute to the arousal in depression as well. Objectives: The goals of this study were to examine whether the characteristics of patient and caregiver were associated with the depression level of the dementia caregivers as measured by the 20-item Center for Epidemiologic Studies Depression (CES-D) scale. This study also aimed to find out if the use of the recommended communication

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strategies by the caregivers would lower the probability of suffering from depression. **Results:** One hundred and twenty caregivers were interviewed. The correlation between patient’s characteristics and caregiver’s depression was weak positive, and it included the dependence of activities of daily living. Caregiver’s characteristics associated with his/her depression included education level and daily caring hours; the correlation was weakly negative and weakly positive respectively. **Conclusion:** Depression of dementia caregiver is a complex clinical and social problem, associated with the characteristics of patient and caregiver. Clinicians should keep a watchful eye on caregivers who need to care for their family members with dementia, and multidisciplinary treatments or interventions should be provided for them promptly.

As the population of Hong Kong is ageing, the number of people suffering from dementia is growing. According to the Hong Kong 2001 Population Census, there were around 750,000 elderly people aged over 65 in Hong Kong, comprising 11% of the total population. It is estimated that by the year 2031, this age group will increase to 24.8% of the total population. Research showed that one-tenth of them would suffer from senile dementia, which implies that around 75,000 people now living with the disease (HKADA, 2008).

Patients with dementia experience changes in cognition and social interactions. These changes influence an individual’s ability to independently perform many daily living activities including both physical and instrumental functioning which represent their daily functional abilities (Small, Geldart, & Gutman, 2000). Much attention has been paid to the situation of patients with dementia and the impact on their caregivers. Numerous related research examined patient’s impairment and its relationship with caregivers’ burden. As functional abilities decline over the course of the disease, caregivers are called to provide more assistance to the patients (Ostbye, Tyas, McDowell, & Koval, 1997; Small, Gutman, Makela, & Hillhouse, 2003). Those burdens fall on the family members mostly. Family plays a critical role in the care of persons with dementia.

Caring for the dementia patients with dementia at home presents many challenges (Small, Gelder et al., 2000). Caregivers often have little understanding of how to recognize or manage the patients (Baum & Edwards, 2003). It has been demonstrated that various factors including functional or cognitive impairment with behavioral disturbance of care
Table 4b. Bivariate and partial correlations of the predictors with CESD

<table>
<thead>
<tr>
<th>Predictor</th>
<th>Correlation between each predictor and the CESD</th>
<th>Correlation between each predictor and the CESD controlling for all other predictors</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADL</td>
<td>.226</td>
<td>.120</td>
</tr>
<tr>
<td>IADL</td>
<td>.212</td>
<td>.094</td>
</tr>
<tr>
<td>Caregiver education level</td>
<td>−.239</td>
<td>−.209</td>
</tr>
<tr>
<td>Average no. of hours of caregiving</td>
<td>.068</td>
<td>.068</td>
</tr>
</tbody>
</table>

* p < .05; ** p < .01

失智症病者於日常生活中依賴護理者照顧的程度

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摘 要

研究背景：過往的研究慣常採用日常自我照顧能力量表 (Activities of Daily Living, ADL) 與工具性日常自我照顧能力量表 (Instrumental Activities of Daily Living, IADL)，來預測護理失智症病人所經驗到的抑鬱水平。這些工具嘗試瞭解失智症病者於日常生活中，依賴護理者照顧的程度。可是，有不少護理者指出，於護理工作上，溝通障礙亦可為他們帶來不少壓力，這壓力往往令他們感到抑鬱，而在ADL與IADL內，卻沒有包含測量溝通障礙的項目。除此以外，護理者的背景特徵，亦有可能影響其抑鬱水平。研究目的：這次研究的目標，是要探討病者和護理者的背景特徵，與護理者抑鬱水平的關係。同時，研究亦會嘗試瞭解使用一些建議的溝通策略，會否減低出現抑鬱的可能性。研究會透過流行病學研究中心抑鬱症量表 (Center for Epidemiological Studies Depression Scale, CES-D) 中的二十個項目，來量度護理者的壓力水平。研究結果：病者的ADL水平和護理者照顧時間的長短，與護理者的抑鬱水平呈正比關係。同時，護理者的教育水平，與其抑鬱水平成反比關係。結論：護理者的心理健康是一個複雜的臨床及社會問題，牽涉到病者與護理者的背景特徵。臨床醫護人員應密切留意家庭護理者的情緒狀況，並於有需要時盡快提供多方面及跨領域的治療及介入。