THE ASSOCIATION OF ANEMIA AND FRAILTY 探討老人貧血與衰弱的相關性 IN ELDERS

Chao MG¹, <u>Lin CH^{1,2}</u>, Huang HY, Lin CC^{1,2}, Liu CS¹, Li TC³, Lin WY¹ 趙敏君 ¹、<u>林志學</u> ^{1,2}、黃曉音 ¹、林正介 ^{1,2}、劉秋松 ¹、李采娟 ³、林文元 ¹

- 中國醫藥大學附設醫院家庭醫學科、
- 2中國醫藥大學醫學院老化博士學程
- 3中國醫藥大學生物統計所

mortality. The aim of study was to examine the association of anemia and frailty in elders, Taiwan, anemia is common in elderly and is an independent predictor for increased and to identify the risk factors of anemia. Objectives: Because the proportion of elderly people is increasing dramatically in

Taichung, Taiwan. Nine hundred and seventy-five elders were enrolled in this study. The elders completed comprehensive geriatric assessment, five components of frailty defined anemia defined as hemoglobin less than 14g/dL for men and less 12g/dL for women. All by Fried et al. and a structured questionnaire. Biomarkers such as albumin, hemoglobin, regression were applied to analyze the relationship between associated factors and and lipid profiles have been measured. Chi-square test, student's t test and logistic anemia. Methods: A community-based cross-sectional survey was conducted in Jan, 2009 in

Higher proportion of anemia was found in frail elders than pre-frail and non-frail elders (42.5% vs. 24.7% and 18.5%). Elders who had anemia tended to be older, and with lower BMI and albumin. In logistic regression, significant factors associated with anemia were frail status (odds ratio [OR]: 3.81, 95% confidence interval [CI]: 1.10-18.22) in male, but not significant in female (odds ratio Results: Two hundred and forty-one study elders (24.7%) were defined as anemia. [OR]: 1.11, 95% confidence interval [CI]:

were causal needs to be explored in the future studies in order to make efforts to identify the possible mechanisms in anemia. Conclusion: Anemia was associated with frail status. Whether these associations 76