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ALMOST ONE-THIRD ELDERLY PERSONS AFFECTED WITH ANAEMIA – A CROSS-SECTIONAL COMMUNITY BASED STUDY FROM RURAL INDIA

Manisha Mandal¹, Shashi Kant, Partha Haldar, Ravneet Kaur, Kapil Yadav and Renu Saxena

¹All India Institute of Medical Sciences, New Delhi, India

Introduction: A rise in elderly population is noted in India not just in absolute numbers but also in proportion. Anaemia in elderly is associated with increased morbidity and mortality and aggravating the comorbidities. Lack of quality information in community-based elderly exists, hence, our study aimed to estimate the prevalence of anaemia among community-dwelling elderly persons and qualify the same morphologically.

Methodology: Rural community-based, cross-sectional study among elderly persons 60 years was conducted in December 2016 and May 2017 in Haryana, India. A sample size of 396 was calculated and participants were selected randomly from the health and demographic surveillance system. The pre-tested self-developed semi-structured questionnaire was administered and a capillary blood specimen was used to estimate hemoglobin using HemoCue method. WHO cutoffs for anaemia was used and morphology of anaemia was ascertained by examination of peripheral blood smears.

Results: Prevalence of anaemia among community-dwelling elderly persons was 28.3(95% C.I. 24-32.9). Anaemia was more prevalent in elderly males (28.6, 95% CI 22.8- 35.1) than in elderly females (27.9, 95% CI 22.1-34.6). Prevalence increased with each passing decade (24.4, 31.1, and 37.2). Normocytic anaemia was most commonly found the type of anaemia morphologically (49.5%).

Conclusions: Prevalence of anaemia among community-dwelling elderly is high and is of public health concern. Routine screening for anaemia as part of geriatric health care services should be incorporated.

Biography

Manisha Mandal, MBBS pursuing her MD degree from Center for Community Medicine, All India Institute of Medical Sciences, New Delhi, India.

drmanishamandal08@gmail.com