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Trends of Lymphoma (2008-2016) in Dubai hospital, United Arab Emirates. Hospital Based Registry

Ahmed Yahya Ayoub

Al Dhafra Hospitals, UAE

Background: There were an estimated 18 million cancer cases around the world in 2018, of these 509,590 Non-Hodgkin lymphoma cases, contributing 3% of the total number of new cases diagnosed in 2018, and ranking 12th among the most common cancers worldwide and 79,990 Hodgkin lymphoma cases contributing 0.5% of the total number of new cases diagnosed in 2018, and ranking 26th worldwide.

Objectives: To study the trends of lymphoma incidence among patients registered in Dubai hospital for the period 2008-2016 and to study some socio demographic characteristics of the admitted cases.

Methodology: The ethical approval was obtained from the research committee in Rashid hospital in order to access the data in cancer registry. The data were obtained retrospectively through haematology department registry unit in Dubai Hospital for the period 2008-2016, records has been revised. All cases were confirmed and treated in Dubai hospital, all admitted cases were included in the data analysis, they were both male and females, all age groups and all nationalities and diagnosed and confirmed cases by Histopathological studies were considered only. The data were coded no names, medical record number and contact

details were shown in the current study.

Results: The present study showed that the overall incidence rates of lymphoma cases registered in Dubai hospital per 1000 of the registered patients was constantly higher among males than females except in 2009 and 2010, it was lower among males than females, since it was 0.06/1000 among males in 2008, then decline to 0.02/1000 in 2009 and 0.04/1000 in 2010 and continued to increase to 0.08/1000 in 2011 and then fluctuating to be finally 0.09/1000 in 2016. While the total female incidence rate of lymphoma registered at Dubai hospital showed between 0.05/1000 in 2008, rising up to 0.08/1000 in 2014 and finally 0.04/1000 in 2016.

Conclusion: The study concluded that lymphoma is more among males compared to females and among expatriates compared to UAE nationals. The time trends showed stable curve across years during the period 2008 to 2016, to be the fifth most common cancer in 2016. Strengthening cancer registry system should be given a priority. Elimination of risk factors as much as possible is recommended to help reduce the incidence of lymphoma but there is no guaranteed way to completely prevent lymphoma

e: ph_twins07@yahoo.com