



## Survival Rate of Metastatic Bone Disease Patients in Haji Adam Malik Hospital Medan

Heru Hermantrie<sup>1\*</sup>, Pranajaya Dharma Kadar<sup>2</sup>, Andriandi<sup>3</sup>, Aznan Lelo<sup>4</sup>

<sup>1</sup>Resident of Orthopaedic and Traumatology, Faculty of Medicine, University of Sumatera Utara/ Haji Adam Malik Hospital – Medan, Indonesia

<sup>2</sup>Consultant Orthopaedic and Traumatology, Spine Division, Faculty of Medicine, University of Sumatera Utara/ Haji Adam Malik Hospital - Medan, Indonesia

<sup>3</sup>Consultant Orthopaedic and Traumatology, Oncology Division, Faculty of Medicine, University of Sumatera Utara/ Haji Adam Malik Hospital – Medan, Indonesia

<sup>4</sup>Statistic Consultant of Orthopaedic and Traumatology, Faculty of Medicine, University of Sumatera Utara/Haji Adam Malik Hospital – Medan, Indonesia

**Abstract : Objective** -The aim of this study was to determining the survival rate of patient with metastatic bone disease in Haji Adam Malik Hospital Medan. **Material and Methods**-The aim of this retrospective study is to determine the survival rate of metastatic bone disease patients. Fifty-five patients who diagnosed of metastatic bone disease during January 2012 – December 2017 were entered the inclusion criteria were ask and demographic data were also recorded to evaluate further associated with primary lesion, and surviving status. Survival rate was assessed by Kaplan – Meier Curve. **Results**- From January 2012 to December 2017, a total 55 metastatic bone disease patients were aged 43-77 years. Breast cancer (40%) was the most common primary cancer, with the lowest survival rate in cervic (10 months). Overall, patients who treat surgically and chemotherapy have survival rate 17 months. **Conclusion**-This study revealed that female (33 patients) have 15 months of survival rate and mael (22 patients) have 18 months of survival rate. Breast was the most common primary location tumor (40%) and have highest survival rate (20 months). Cervix was the lowest survival rate (10 months) Overall patients who underwent surgical and chemotherapy have survival rate in 17 months.

**Keywords:** Metastatic Bone Disease, Survival Rate, Kaplan Meier Curve.

Heru Hermantrie *et al* / International Journal of PharmTech Research, 2019,12(4): 77-82.

DOI: <http://dx.doi.org/10.20902/IJPTR.2019.120411>

\*\*\*\*\*