



The 6th World Congress on
CONTROVERSIES IN MULTIPLE
MYELOMA (COMy)

INCREASE IN THE NUMBER OF CASES OF MULTIPLE MYELOMA AMONG RESIDENTS OF THE STATE OF AMAZONAS, BRAZIL AND ITS CONDITIONS OF ACCESS TO HEALTH SERVICES

Raphael Maria Oliveira*, Lineker Fernandes Dias*, Alexandre Cesar de Castro Alves*, Gabriel Marinho*,
Silva, Rebeca Raissa Bezerra de Oliveira*, Luiz Claudio Oliveira Duarte**

*Medical student, Federal University of Uberlândia

**PhD, Federal University of São Paulo. Professor, Federal University of Uberlândia.

INTRODUCTION

Amazonas is a Brazilian state that represents the Legal Amazon with different conditions of access to services for the treatment of oncological diseases. Mortality due to multiple myeloma (MM) is directly linked to the early diagnosis. The objective of this study is to analyze the occurrence of MM cases in the state of Amazonas, Brazil, from the perspective of the conditions of access to health for residents.

MATERIALS AND METHODS

Epidemiological, descriptive, and retrospective study. MM diagnoses that occurred in the state of Amazonas between 2008 and 2017 were analyzed using the Disease Information and Notification System (SINAN), a Brazilian Ministry of Health's platform that provides data on the occurrence of diseases in the country. The statistical difference between the data was calculated using the Chi-Square Test. A non-systematic review of the scientific literature was carried out to understand the occurrence of MM cases and their relationship with access to health in the region.

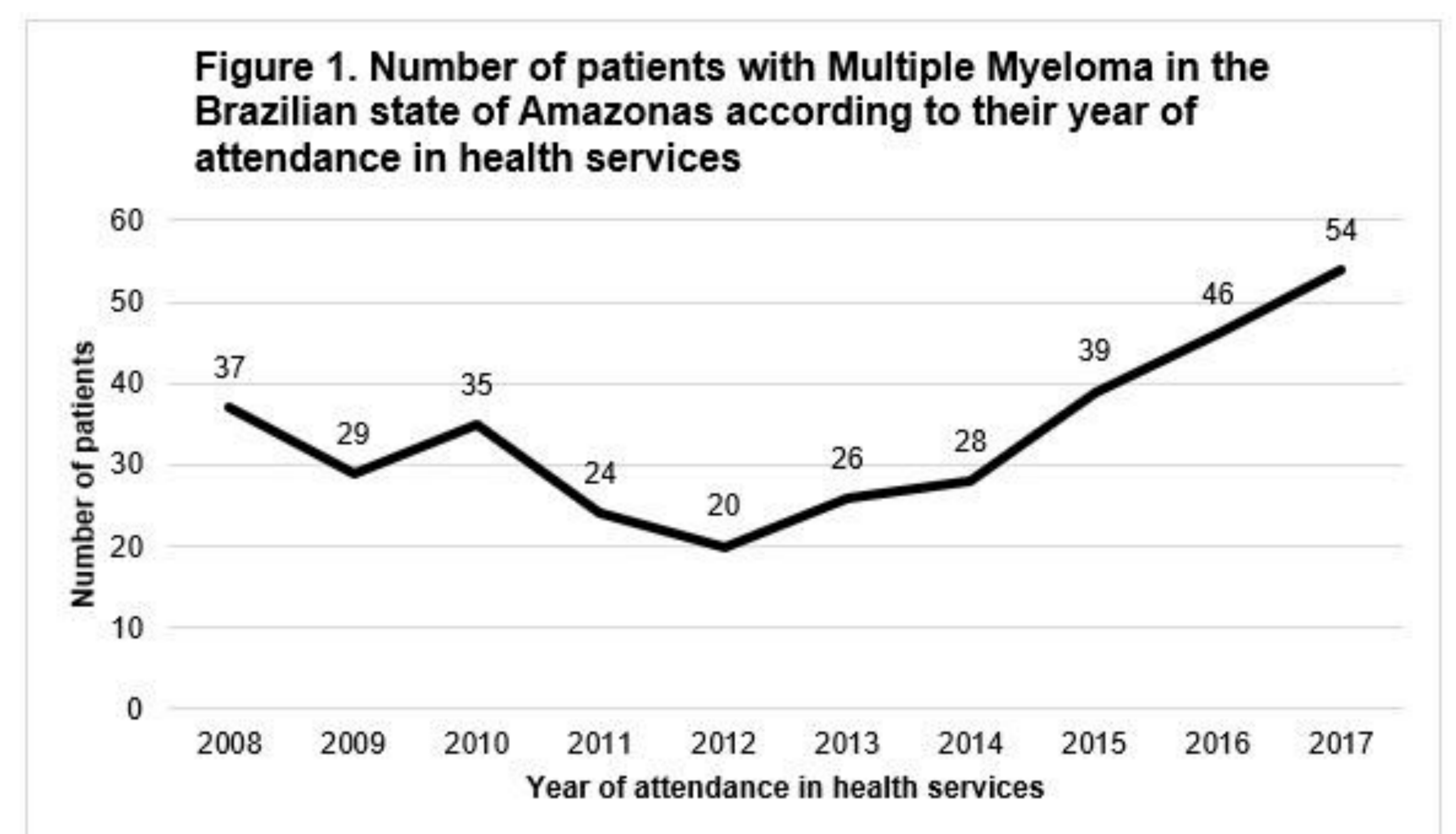
RESULTS

There were 196 plasmocytic neoplasms in Amazonas, with a fatality rate of 75%. Of these, 92.8% (n = 182) were MM. The non-systematized literature review indicated that the early diagnosis and treatment of this disease is related to the health services available in Amazonas. Primary Health Care (PHC) is the main component of the Amazonian health system, with the tertiary health care sector being restricted to the state capital. However, the scope and number of PHC doctors in this state are less than necessary to serve the entire population.

Table 1. Number of patients according to plasmacytic neoplasia in Amazonas, Brazil, between 2007 and 2017.

| Disease | Number of Patients |
|-----------------------------|--------------------|
| Multiple myeloma | 182 |
| Other plasmacytic neoplasms | 14 |
| Total | 196 |

Reference: Authors themselves. Data from the DATASUS, 2020.



Source: own authorship (Data: DATASUS/TABNET 2020)

CONCLUSION

Between 2008 and 2017, 182 cases of MM were recorded in the state of Amazonas. Likely, the Health Care System of the state of Amazonas does not adequately carry out early diagnosis and treatment of MM, thus worsening the prognosis of patients.

REFERENCES

BRASIL. TABNET. Deaths by residence due to multiple myeloma according to schooling. Available in <www.tabnet.com.br>. Access in 21 april, 2020.

GERECKE, C. et al. The Diagnosis and Treatment of Multiple Myeloma. **Deutsches Ärzteblatt International**, n. 113, p. 470–477, 2016.

KUMAR, S. K. et al. Multiple myeloma. **Nature Reviews Disease Primers**, v. 3, p. 1–20, 2017.