Cite this as: Lin-qin WANG, Elaine TAN SU YIN, Guo-qing WEI, Yong-xian HU, Arnon NAGLER, He HUANG, 2020. Weathering the storm: COVID-19 infection in patients with hematological malignancies. *Journal of Zhejiang University-Science B (Biomedicine & Biotechnology)*, **21**(12):921-939.
http://doi.org/10.1631/jzus.B2000423

Weathering the storm: COVID-19 infection in patients with hematological malignancies

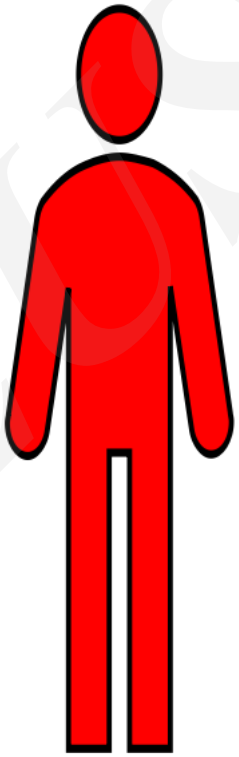
Key words: COVID-19, Hematological malignancies, Immunosuppressive status, Management strategies, Treatment regimen

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Research Summary

This review mainly focused on the clinical manifestations for patients with coexisting COVID-19 and hematological malignanices (HMs), and provided customized management and interventional strategies. The bullet points are:

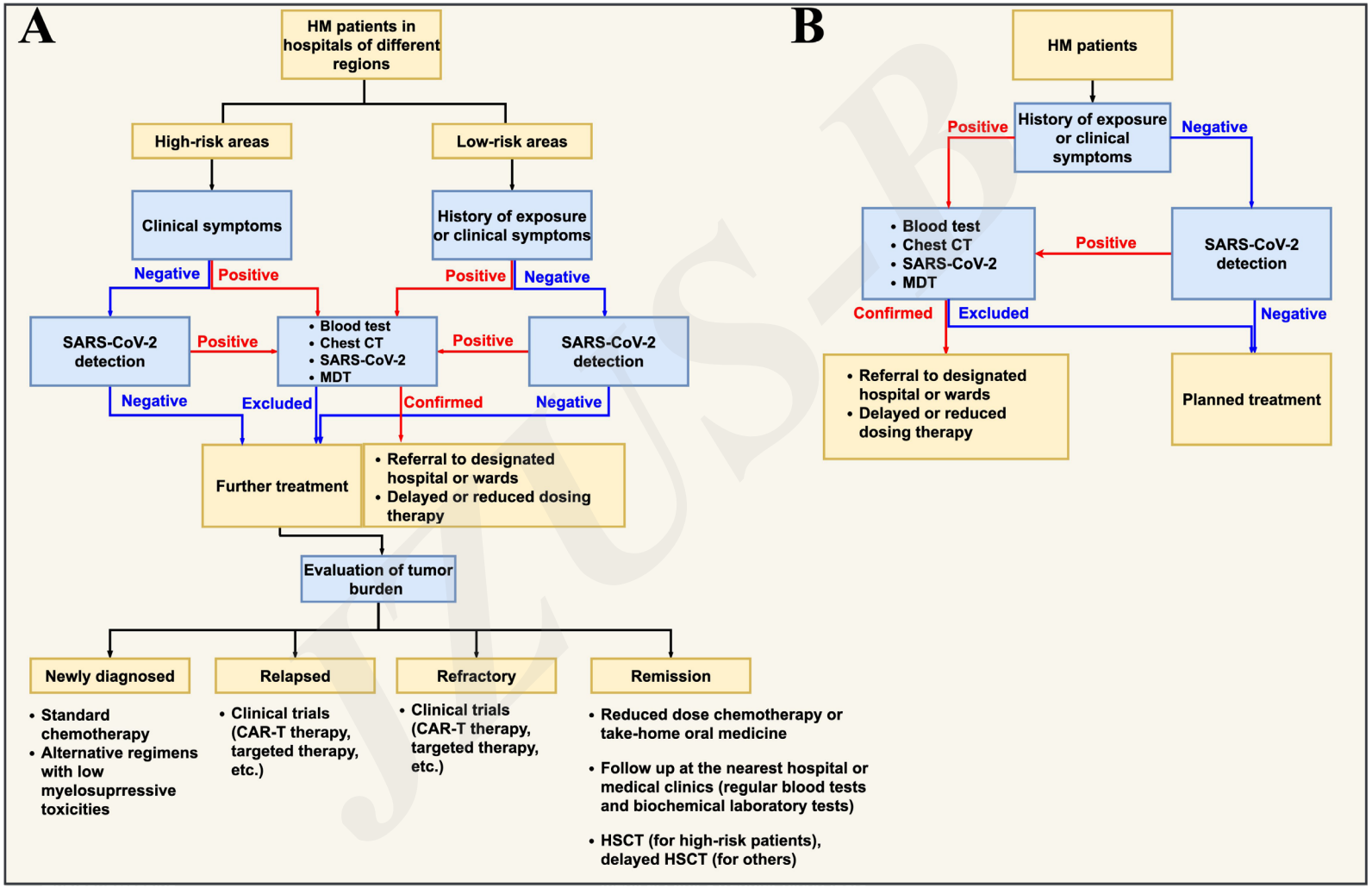
- Regional reports of COVID-19 among these patients
- Clinical features of COVID-19 in this cohort
- Diagnostic criteria and differential diagnoses of COVID-19



Patients with blood cancer

- Customized management strategies during this epidemic
- Comprehensive intervention for SARS-CoV-2 infection

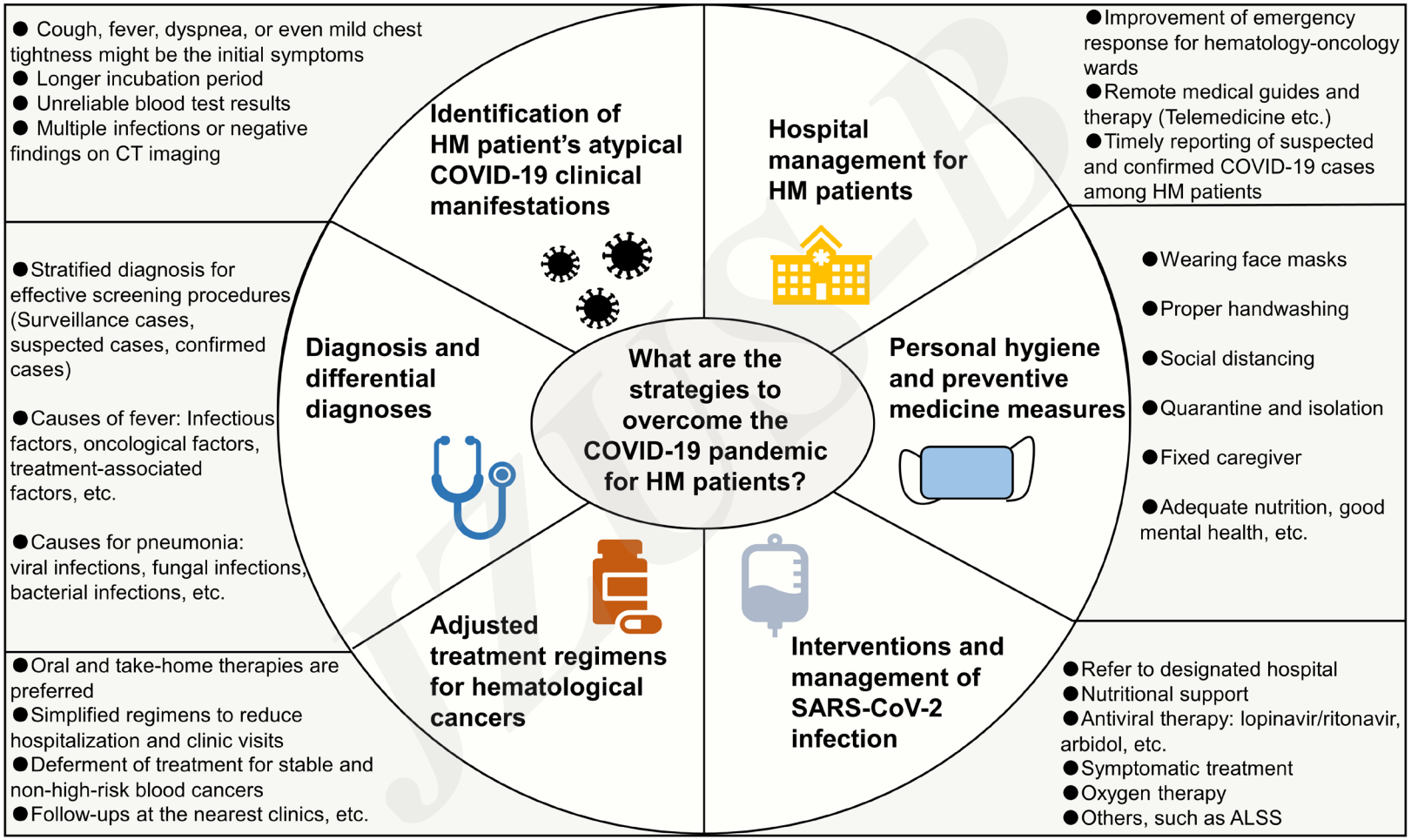
Innovation points



- **Emphasis** of customized hospital admission procedures for HM patients during the COVID-19 pandemic.

Figure 2

Innovation points



Summary of management strategies for HM patients during the COVID-19 pandemic

Figure 3

Innovation points

A series of comprehensive tables were generated to summarize the latest knowledge about COVID-19 in HM cohort.

Table 1 | Clinical characteristics and interventions of reported COVID-19 cases with HMs.

Table 2 | Stratified diagnosis criteria of SARS-CoV-2 infection in patients with HMs.

Table 3 | Differential diagnoses of several types of pneumonia in patients with HMs.

Table 4 | The principal causative factors of fever in patients with HMs.

Table 5-7 | Considerations for treatment of leukemia/ lymphoma/multiple myeloma during the COVID-19 pandemic.

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