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

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

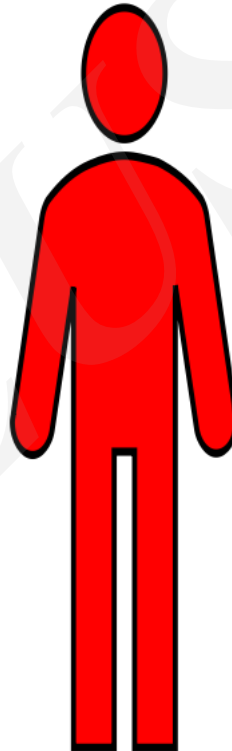
Research Summary

This review mainly focused on the clinical manifestations for patients with coexisting COVID-19 and hematological malignancies (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

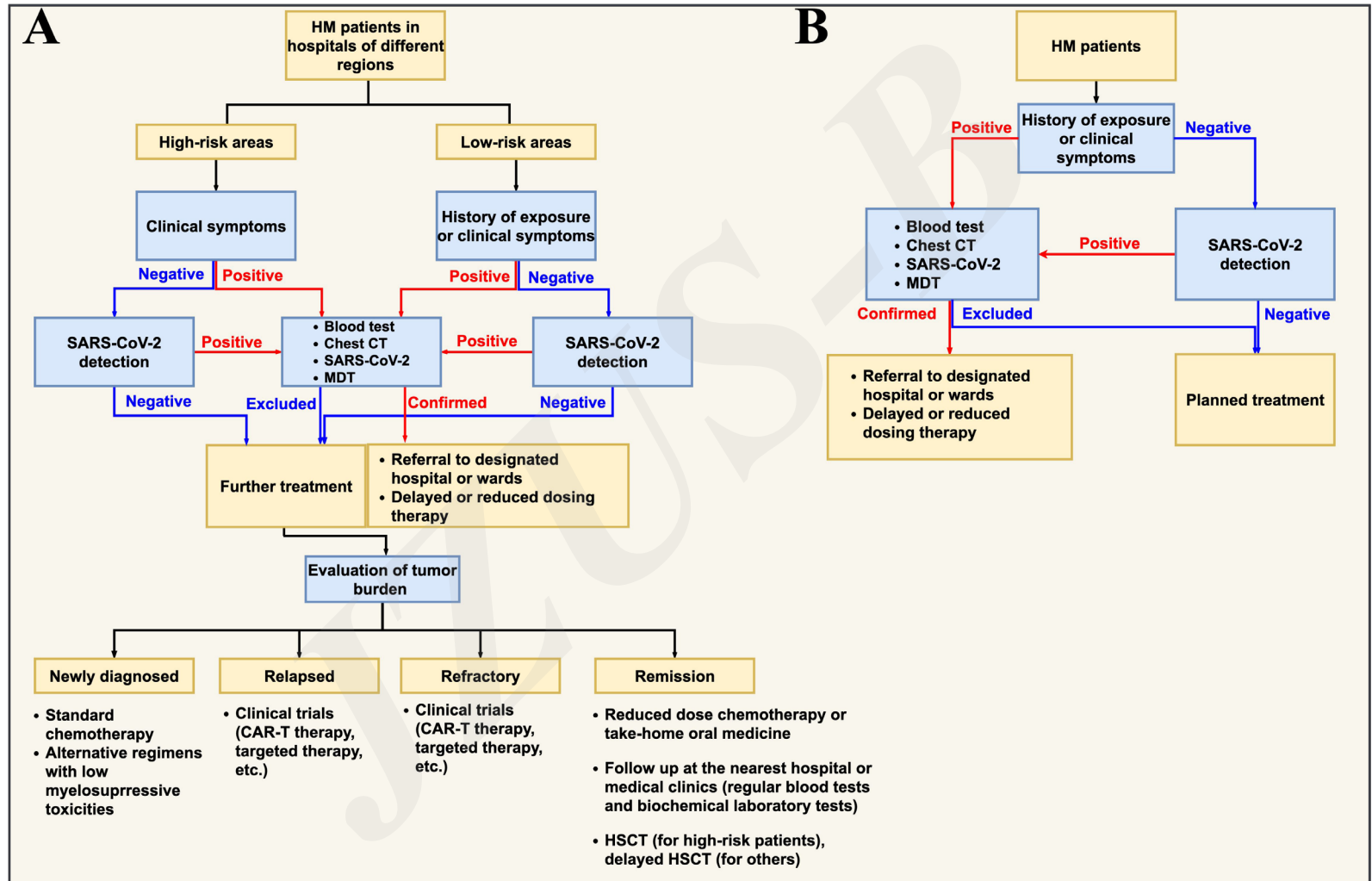


Patients with
blood cancer

- Customized management strategies during this epidemic

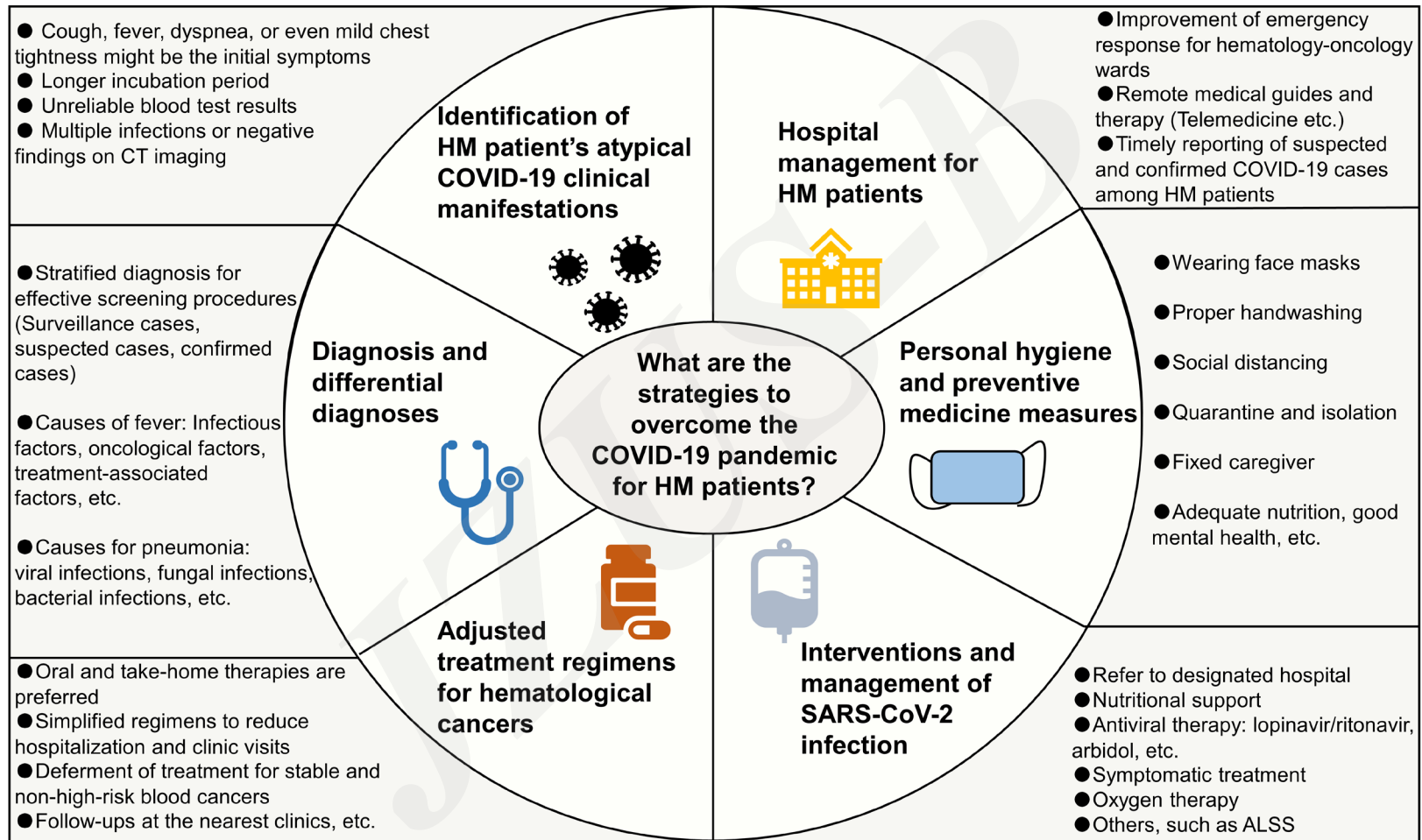
- Comprehensive intervention for SARS-CoV-2 infection

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

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.