

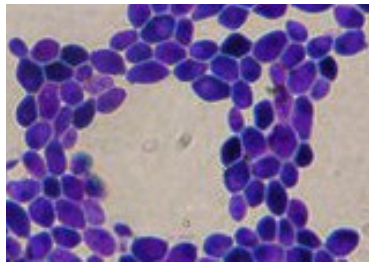
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# **Fungal spondylodiscitis in a patient recovered from H7N9 virus infection: a case study and a literature review of the differences between *Candida* and *Aspergillus* spondylodiscitis**

**Key words:** Spondylodiscitis, Spinal infection, H7N9 virus, Avian influenza virus, *Candida*, *Aspergillus*, Fungi, Review

# Research Summary

This paper reported the first case of fungal spondylodiscitis in a patient recovered from H7N9 virus infection, and then perform a literature review on the different characteristics between candida and aspergillus spondylodiscitis

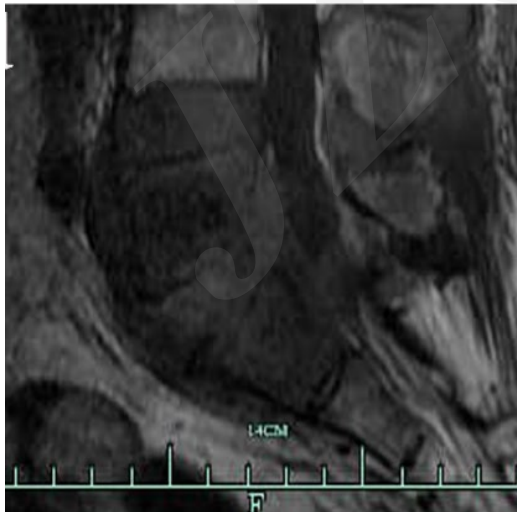


*Candida*

- Different outcomes
- Different clinical features
- Different managements



*Aspergillus*



# ***Innovation points***

- **Emphasis** of the reasons on why the outcome of patients with candida spondylodiscitis was better than patients with aspergillus spondylodiscitis.

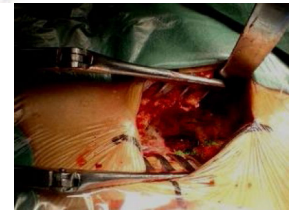
- Candida can be more likely to be found in blood cultures (47.8%) .



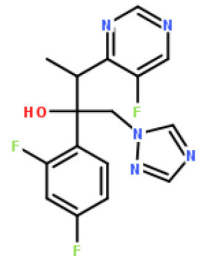
- Neurological deficits were observed more often in patients with aspergillus spondylodiscitis (43.6% vs 25.6%).



- Candida spinal infections were more often treated by radical debridement (60.5% vs 39.6%).



- Azoles were more likely to be used by patients with candida spondylodiscitis.



# ***Innovation points***

**A series of comprehensive tables were generated to summarize the difference regarding clinical features, treatment strategy, surgical options, and consequences.**

**Table 1 | Characteristics of patients with aspergillus and candida spinal infections**

**Table 2 | Number of patients with candida and aspergillus spondylodiscitis receiving conservative or operative treatment**

**Table 3 | Surgical options for candida and aspergillus spondylodiscitis**

**Table 4 | Drug selections after operations**