

AB211. SOH21AS252. Multifocal osteonecrosis following ingestion of the “Death Cap” mushroom: a rare occurrence

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Background: *Amanita Phalloides* or “death cap” is one of the most dangerous variants of fungi found in Western Europe and North America. While hepatic and renal necrosis are widely reported following ingestion of this toxin, multifocal osteonecrosis is yet to be described. We present the simultaneous polyarticular functional decline and challenging management of our patient following such an occurrence. Additionally, we illustrate the rare occurrence of atraumatic patellar osteonecrosis as a component of her presentation.

Methods: We present the case of a 44-year-old female who presented to our institution with fulminant hepatic failure and subsequent multi-organ failure following ingestion of *Amanita Phalloides* mushrooms. Following liver transplant and diffuse dermal necrosis requiring multiple skin grafts, she became bed-bound due to intractable lower limb pain. Plain film and MRI investigations revealed bilateral Ficat stage 4 avascular necrosis of both hips with associated florid myositis. The overlying skin on her left hip had ongoing serous ooze from the split thickness skin graft sites, exacerbated limited mobility. She underwent synchronous bilateral Corail Pinnacle (Warsaw, IN, USA) total hip replacements. Further radiological investigation revealed right patellar osteonecrosis.

Results: Her left hip wound and overlying skin developed superficial soft tissue infection post-operatively. This was

managed with intravenous antibiotics and resolved after 6 weeks. Her right knee pain contributed to a difficult post-operative rehabilitation.

Conclusions: *Amanita Phalloides* ingestion is often fatal. We document a rare presentation of a simultaneous polyarticular atraumatic osteonecrosis of the hips and unilateral patella in the setting of ‘death cap’ toxin ingestion and subsequent liver transplant.

Keywords: *Amanita Phalloides*; avascular necrosis; osteonecrosis of the patella; multifocal osteonecrosis; avascular necrosis toxin ingestion

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Footnote

Conflicts of Interest: The authors have no conflicts of interest to declare.

Ethical Statement: The authors are accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

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