

Limb Mortality In COVID-19. A Case Report Of COVID-19 Related Thromboembolic Event Leading To Major Amputation And Significant Morbidity.

¹Leon, Hui Ming; ²Chooi YJ; ³Azlan S; ⁴Basir T

^{1,2,3,4}Orthopaedic Department, Hospital Sungai Buloh, Jalan Hospital, Sungai Buloh, Selangor, Malaysia

INTRODUCTION:

COVID-19 is known to cause severe respiratory illnesses leading to death. However, many literatures have described increase incidence of COVID-19 related venous and arterial thromboembolism along with thrombosis of the lower extremity, mesenteric, aorto-iliac, coronary, and cerebral arterial vasculature, mostly in severely ill and intensive care patients.^{[1][2]}

We report a case of sporadic limb mortality as a sequelae of COVID-19 related thromboembolic event.

REPORT:

A 40-year-old Malay gentleman who was quarantined at home for COVID-19 was referred to our center complaining of left lower limb pain with reduce sensation and paralysis. This gentleman had no prior medical illnesses besides being a chronic smoker of 10-years.

On presentation, there were signs of reduced perfusion to his left lower limb without any palpable pulses and absent signals from doppler ultrasound.

An urgent Computed Tomography Arteriogram(CTA) of bilateral lower limb was done showing partial thrombosis of the infrarenal abdominal aorta with long segment occlusion of left pelvic and lower limb arteries. Vascular team proceeded with left femoral embolectomy and fasciotomy. Unfortunately, there were no reperfusion of the left lower limb, and a left hip disarticulation was done.

DISCUSSION/CONCLUSION:

This case report and many other studies have demonstrated the association of COVID-19 and arterial thrombosis with a predilection for proximal arteries.^[2] This has greatly increased the risk of limb mortality and death especially in patients with concurrent systemic and

Figure 1:
CTA of bilateral lower limb



Figure 2: CTA 3D reconstruction of bilateral lower limb



respiratory compromise. Therefore, a greater awareness of limb ischemia from COVID-19 related thromboembolic event may prompt earlier diagnosis and treatment reducing the incidence of morbidity and mortality.

REFERENCES:

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