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Supplementary appendix

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Table. 1. Clinical and laboratory features of our patients with post vaccinia inflammatory myositis.

Age (yrs), Sex	Time to onset after ChAdOx1-vaccination	Clinical signs and symptoms, Final Dx	Laboratory parameters (peak)	Imaging	Treatment	Outcome and length of stay
1) 74/Male	2 days after first dose	Fever, tachycardia, arthralgia, myalgia,	SARS-CoV-2 RT PCR negative Hb-7.6 gm ((12 – 15 gm/dl) TC- 26 (4-11 K/uL) ALC 1 (1-3 K/uL) Platelets- 643 (150-450 K/uL) ESR-123 mm/hr (< 15mm/ hr) CRP-269 (< 5mg/L) D-dimer-2010 (< 500 ng/ml) Ferritin-1026 (20 - 250 ng/ml) LDH-167 (135 – 214 U/L) AST-180 (< 34 U/L) ALT-170 (< 31 U/L) CPK-24 (25 – 170 U/L) ANCA- negative ANA- negative Myositis profile- negative Blood/ Urine cultures –negative ECHO- normal Skin and muscle biopsy showed features of small-medium vessel vasculitis	CT chest; normal 18 FDG-PET CT; - Day 26- Mildly FDG avid multiple small vessels in intermuscular plane in bilateral thigh region and superficial femoral and deep popliteal vessels – ‘tree root pattern’ MRI; Day 30- Significant diffuse myositis of both lower limbs, gluteus and pelvic girdle and to a lesser extent in left upper limb.	Oral Prednisolone 1 mg/ kg	Discharged in 10 days, in remission with steroids.
2) 75/Female	2 days after first dose	Fever, arthralgia, myalgia, tachycardia.	SARS-CoV-2 RT PCR negative Hb- 10.4 (12 - 15) gm/dl) TC- 14.8 ((4 – 11 K/uL) ALC- 700 (1 – 3 K/uL) ESR-120 (< 15mm/ hr) CRP-271 (< 5mg/L) D-dimer-2500 (< 500 ng/ml) Ferritin-1236 (10 -120 ng/ml) LDH-216 (135 – 214 U/L) AST-250 (< 34 U/L) ALT-194 (< 31 U/L) CPK-30 ((25 – 170 U/L) ANCA- negative ANA- negative Myositis profile- negative	CT chest; normal 18 FDG-PET CT- Day 25; Diffuse patchy minimally increased FDG avidity in skeletal muscles more evident in lower limb. Arteries show ‘tree root’ patterns. MRI – Day 27-Multiple patchy areas of STIR hyperintensity involving the muscles of both thighs including all compartments, posterior compartment of both legs and pelvic girdle	Oral Prednisolone 1 mg/ kg + Mycophenolate mofetil	Discharged in 8 days, in remission with medications.

			Blood/ Urine cultures –negative ECHO- normal			
3) 80/ Female	2 days after 2nd dose	Fever, fatigue, tachycardia	SARS-CoV-2 RT PCR negative CPK-40 ((25 – 170 U/L) Platelets-580 (150-450 K/uL) D-dimer- 3160 (< 500 ng/ml) ESR-59 (< 15mm/ hr) CRP-102 (< 5mg/L) Ferritin-411 (10 -120 ng/ml) LDH-228 (135 – 214 U/L) Albumin-3.3 (3.5-5.5 mg/dL) Globulin –4.4 (A/G reversal) Myositis profile/ ANCA- negative	MRI- Hyperintense signal in STIR MRI in most muscles of both upper and lower limbs.	Oral prednisolone	Discharged in 6 days, in remission with steroids.

Abbreviations; TC- total WBC count, ALC- absolute lymphocyte count.