

## AZD-1222

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**Immune thrombocytopenia: case report**

A 79-year-old man developed immune thrombocytopenia following vaccination with AZD-1222 [*dosage and route not stated*].

The man was admitted to an emergency room for low platelet count 10 days after receiving his first dose of AZD-1222 [chAdOx1 nCoV-19 vaccine]. He had a history of ischaemic stroke due to which he was bedridden for 2 years. He had been receiving clopidogrel since then. His platelet count before four months of admission was normal. Physical examination at the time of admission showed no petechiae, purpuric rash, lymphadenopathy or hepatosplenomegaly. Blood tests revealed a normal leucocyte count with mild anaemia and severe thrombocytopenia with platelet count of  $2 \times 10^9/L$ . Stool occult blood test was positive. Coagulation tests like prothrombin time, activated partial thromboplastin time, and fibrinogen, were all normal except for the D-dimer showing 30.62 mg/L fibrinogen equivalent units (FEU). Serology tests for hepatitis-B, hepatitis-C, cytomegalovirus, Epstein-Barr virus, or HIV infections were negative. Tests for anti-nuclear antibodies, rheumatoid factors, complement, lupus anticoagulant, anti-cardiolipin antibodies, and anti  $\beta$ 2-glycoprotein 1 antibodies showed negative results. He was also negative for reverse transcriptase PCR for COVID-19. Vaccine induced thrombosis was excluded by performing whole body CT scan. Brain CT scan showed previous injury of stroke. The platelet factor-4 antibody immunoassay showed negative result. After ruling out all possible diagnoses, he was diagnosed with AZD-1222 vaccine-induced immune thrombocytopenia.

The man received treatment with hydrocortisone resulting in improved platelet count. After significant improvement, he was switched to prednisolone and was discharged.

Liao P-W, et al. Immune thrombocytopenia induced by the chimpanzee adenovirus-vectored vaccine against sars-cov-2 infection. *Vaccines* 9: No. 12, 2021. Available from:  
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