

Covid-19 Booster and Methotrexate



- Methotrexate is used to treat conditions such as rheumatoid arthritis and psoriasis.
- These conditions occur due to the immune system getting out of control.
- Methotrexate turns down the overactive immune system and controls these conditions.



Vaccine Response On Off Methotrexate (VROOM) study

- Does stopping methotrexate for 2 weeks immediately after a Covid-19 booster improve protection against Covid-19?
- Would a break from treatment cause the condition to flare up?
- Participants were put into groups randomly (by chance) and advised that after their Covid-19 booster they should either:

Continue methotrexate as usual Not take methotrexate for next 2 weeks





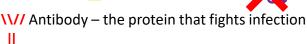


What did the VROOM study find?

- Stopping methotrexate for just 2
 weeks immediately after the
 Covid-19 booster doubled the
 amounts of antibody (a protein
 that fights infection) compared
 to continuing with methotrexate.
- The benefit was similar across age groups, diseases, vaccine types, and whether there was prior infection with Covid-19.







What were the risk of pausing treatment for 2 weeks?

- Stopping methotrexate for 2 weeks caused more flare-ups in the shortterm. Most flares were selfmanaged.
- Similar number of people in the two groups of the VROOM study sought help from the NHS.

Please scan the QR code to see the full results

