

To: [REDACTED] 5.1.2e [REDACTED] 5.1.2e @rivm.nl]
From: [REDACTED] 5.1.2e [JACNL]
Sent: Tue 11/30/2021 10:56:06 AM
Subject: FDA update Slides & Vx kinetics
Received: Tue 11/30/2021 10:56:18 AM

Dag [REDACTED] 5.1.2e

Zoals gisteren afgesproken hierbij de slides van de ACIP meeting, de VRBPAC en ook de laatste paper van Collier et al.

Groetjes,

[REDACTED] 5.1.2e

<https://www.cdc.gov/vaccines/acip/meetings/downloads/slides-2021-09-22/04-COVID-Link-Gelles-508.pdf>

ACIP - Slides 5, 6, 7 show the **very different kinetics of different vaccine platforms**. mRNA vaccines (2-dose priming) show a progressive reduction of vaccine effectiveness over time (especially in the delta period). The Janssen vaccine, single-shot, shows a progressive increase in vaccine effectiveness, which may reflect maturation of B cell response over time. We will need to follow over time how VE progresses.

<https://www.fda.gov/media/153129/download>

VRBPAC – Dan Barouch, slides 17 onwards show **kinetics of the immune response** (Ab and cell-mediated response) for the Janssen Vaccine

<https://www.nejm.org/doi/full/10.1056/NEJMc2115596>

Collier et al. Comparative kinetics of humoral and cellular immune responses elicited by the two-dose BNT162b2 vaccine (in 31 participants), the two-dose mRNA-1273 vaccine (in 22 participants), and the one-dose Ad26.COV2.S vaccine (in 8 participants).