COVID Vaccines: Do We Need a Booster Dose Now?

**Long-lasting protection**
All studies indicate that two doses of vaccines will induce immune memory and long-lasting protection against severe COVID-19.

**Highly effective vaccines**
For the general population, vaccines remain highly effective against hospitalization and death.

**Additional measures**
The spread of emerging viral variants implies that additional non-pharmaceutical measures are still required.

**Frail and elderly population**
A booster dose may be the easiest strategy to increase protection in elderly and frail people.

**Immunosuppressed patients**
Certain immunosuppressed patients require a special vaccination regimen (including a third-dose).

**Healthcare workers**
Close monitoring will be needed to determine if and when specific groups, such as healthcare workers, would benefit from a booster dose.

**mRNA vaccines for additional doses**
mRNA-based vaccines are ideal candidates for additional doses, both in terms of safety and immunogenicity.

**Increasing vaccination coverage**
The most effective strategy to deal with new viral variants is to nationally increase vaccine coverage.

**Worldwide unequal distribution of vaccines**
To reduce the emergence of new viral variants, existing doses must be urgently allocated to protect vulnerable people in countries with low vaccine access.

**There is no need to a booster dose**
At this timepoint, there is no scientific evidence supporting the need of a booster dose for the general population.

**More information:**
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