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Change

Vaccine Medical Update Protection beyond Flu

Issue No. 3 April 2024

Affairs of the Month

World Immunization Week April 24 -30,2024

Celebrating 50 years of
Expanded Program on
Immunization

Publication Feature

Vaccines Induce
Homeostatic Immunity,
Generating Several
Secondary Benefits.

Special Feature:

Innovation in Sanofi Flu Vaccines

Understanding how flu vaccines are produced?

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This material is strictly for Healthcare Professionals only.
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Affairs of the Month

HUMANLY POSSIBLE

Saving lives through immunization



As we celebrate 50 years of the Expanded Program for Immunization, it's essential to recognize its significant contribution in expanding vaccination programs across the lifespan. Now known as the Essential Program on Immunization, it aims to strengthen vaccine programs, supplies, and delivery, ensuring universal access to all relevant vaccines for all populations throughout their lives.¹

To achieve the goal of universal vaccine access: ¹

- Encourage governments to prioritize vaccines and allocate resources.
- Advocate for vaccines in healthcare planning.
- Ensure vaccination programs are well-funded.
- Accelerate research and innovation for vaccine access.
- Promote vaccine benefits locally and globally.

Let's all work together to make sure that the Essential Program on Immunization continues to expand and reach every person, so that we can all live healthier, safer lives.

Ref: World Immunization Week 2024 . <https://www.who.int/campaigns/world-immunization-week/2024>. Accessed April 14, 2024.

Publication Feature

Vaccines Induce Homeostatic Immunity, Generating Several Secondary Benefits

Our featured article highlights the additional benefits of vaccines. Vaccines induce homeostatic immunity, creating "Goldilocks immunity" that fights pathogens and allergic responses. They also create an "immuno-wave" model that generates immune responses, providing further protection. Vaccines may even protect against non-infectious diseases like diabetes, Alzheimer's, and asthma. Clinical studies are proposed to explore these benefits.

This article strengthens Sanofi's efforts on **Protection Beyond Flu**.
Read here: <https://www.mdpi.com/2076-393X/12/4/396>. Accessed April 19, 2024.

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Vaccine Medical Update Protection beyond Flu

Issue No. 2 APRIL 2024

Affairs of the Month

**World Immunization Week
April 24 -30,2024**

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Immunization

Publication Feature

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Special Feature:

***Understanding how flu
vaccines are produced***

***How is the Recombinant
Flu Vaccine different?***

Special Feature:

Understanding the Flu vaccine Production Process for the Southern Hemisphere

WHO provides guidance for influenza vaccine production, updating regularly due to virus evolution. Vaccine strains are selected in February and September to match anticipated virus groups. A video shows the next steps after vaccine companies receive recommended strains.

Ref: https://youtu.be/DDWQODSkMvC?si=9Fc1d-lfz_9s0N2w. Accessed April14,2024



How is the Recombinant Influenza Vaccine different?

Unique features of a recombinant haemagglutinin influenza vaccine that influence vaccine performance

The recombinant vaccine has distinct structural features and high purity, which provides several advantages in terms of vaccine performance. The use of recombinant technology guarantees that the antigen sequence integrity is consistent with the influenza viral strains selected by WHO for seasonal vaccines. Additionally, the unique structural features of the recombinant flu vaccine are believed to be responsible for the enhanced protective immune responses in comparison to standard influenza vaccines.

This would be ideal against constantly evolving influenza viruses and for the future development of a universal influenza vaccine.

Read more: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8640007/> Accessed April 14, 2024