



Hot topic in PID

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Topic for discussion

- New recommendation for zoster vaccine
- Prevention of Hepatitis B infection
- Quadrivalent flu vaccine
- Repeated flu shots may blunt effectiveness
- Update dengue vaccine
- Biomarker for sepsis
- Real time PCR for detecting pathogen

Herpes zoster vaccines

- Zoster vaccine live (ZVL)
 - Zostavax (Merck) prevention of herpes zoster in immunocompetent adult aged >50 yrs
 - Effectiveness against herpes zoster wane to zero in 4-12 yrs (9-10 yrs)
- Recombinant zoster vaccine (RZV)
 - Shingrix (GSK) for use in immunocompetent adult ages >50 yrs
 - Effectiveness against herpes zoster wane to zero in 19 yrs

Zoster Vaccine Recombinant

- Subunit vaccine containing recombinant glycoprotein E in combination with a novel adjuvant (ASO 1b)
- The vaccine consists of 2 doses (0.5 ml each), administered intramuscularly 2-6 months apart.
- The vaccine should be kept in refrigerator.

Efficacy of Zoster vaccines

	ZVL	RZV
Prevention of Herpes zoster		
Age 50-59 yrs	70%	96.6%
60-69 yrs	64%	97.4%
>70 yrs	38%	91.3%
Prevention of post herpetic neuralgia		
Age 60-69 yrs	65.7%	91.2%
>70 yrs	66.8 %	88.8%