

Recommended Vaccination Types for Post Splenectomy Patient in Adult²

Type of vaccine	Brand name	Timing of Vaccination ^{2,4}		Status in Hosp. USM ¹
		Elective Splenectomy	Emergency Splenectomy	
13 -Valent Pneumococcal Conjugate Vaccine (PCV13)	Prenar®	2 weeks before surgery	*2 weeks after surgery	Non-standard
23-Valent Pneumococcal Polysaccharide Vaccine (PPSV23)	Pneumovax23®	6-12 months after PCV13. Booster dose is recommended every 5 years. ²		Standard terkawal
H. influenzae Type B Vaccine (Hib)	Hiberix ®, Priorix ®	For those who have not received or completed Hib immunisation in childhood		Standard terkawal
		2 weeks before surgery	As soon as possible after surgery	
		For those who completed Hib immunisation in childhood		
		2 weeks before surgery	*2 weeks after surgery	
Meningococcal	Menactra®, Nimenrix®	2 weeks before surgery	*2 weeks after surgery	Non-standard
		Booster dose is Recommended every 3-5 years		
Influenza	Influvac®	Yearly ⁴		Non-standard for this type of patient

*Vaccine series should be started 14 days after splenectomy. If vaccinations were given before day 14, it is reasonable to repeat these vaccinations 8 weeks after the initial doses were given.³

References

- 1) Hospital USM Formulary
- 2) Malaysian Society of Infectious Diseases and Chemotherapy. Guidelines For Adult Immunisation, 3rd Edition.
- 3) Pasternack MS. (2020). Prevention of infection in patients with impaired splenic function. In S. Bond (Ed.), *UpToDate*. Retrieved January 3, 2022, from : <https://www.uptodate.com/contents/prevention-of-infection-in-patients-with-impaired-splenic-function>
- 4) National Antibiotic Guideline 2019, 3rd edition

Prepared by:

1. Nur Aida Murni Mamamad
2. Syahira Afiqah Mohamad Pauzi

Edited by:

Khairul Bariah Johan @Rahmat