



VACCINATION IN ASPLENIA & SICKLE CELL DISEASE



Protect against overwhelming post-splenectomy infection (OPSI)

BEFORE SPLENECTOMY



- Whenever feasible, administer indicated vaccines at **least 14 days** before planned splenectomy.
- Vaccines particularly important before splenectomy:

PCV

Hib

MenACWY

MenB



Doses administered during the 14 days before surgery can still be counted as valid.



If vaccination cannot be completed before surgery, vaccinate as soon as the patient is clinically stable after surgery.

PRIMARY VACCINATION SCHEDULE (POST-SPLENECTOMY)



FIRST VISIT

As soon as patient is stable

- ✓ PCV (no. of doses according to age*)
- ✓ Hib (1 dose)
- ✓ Men ACWY (first dose)
- ✓ Men B (first dose)



SECOND VISIT

AFTER 2 MONTHS

- ✓ Men ACWY (second dose)
- ✓ Men B (second dose)
- ✓ PPSV23 (if PCV13 or PCV15 is used)



THIRD VISIT

AFTER 4 MONTHS
(at least 6 months from first visit)



Men B
(third dose)

PCV: NUMBER OF DOSES ACCORDING TO AGE*

AGE	PCV RECOMMENDATION	DURATION / INTERVAL
Infants and children < 2 years	- Continue routine infant schedule. - Give age-appropriate PCV series (PCV13, PCV15 or PCV20).	According to routine schedule.
24 through 71 months (2 through < 6 years)	2 doses of PCV20 or PCV15, PCV13	Given at least 8 weeks apart
From age of 71 months onward (≥ 6 years)	One dose of PCV20 or PCV15, PCV13	Single dose

*Use any available PCV (PCV20, PCV15 or PCV13) according to age recommendations.



PCV: IMPORTANT POINTS



If PCV20 is used:

No PPSV23 or booster dose is needed.

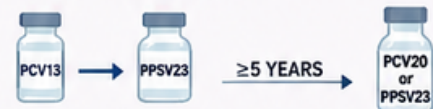


If patient with asplenia who receive PCV15 → PPSV23:
Have completed the pneumococcal schedule; a second PPSV23 is no longer recommended.



If previously received PCV13 → PPSV23:

Give PCV20 or PPSV23 ≥ 5 years after PPSV23.



BOOSTER DOSES



MEN ACWY

If the second primary dose is given:

- Before age 7 years: first booster 3 years later, then every 5 years.
- At age ≥ 7 years: first booster 5 years later, then every 5 years.



MEN B

- First booster: 1 year after completion of primary series
- Subsequent boosters: every 2–3 years while risk remains.



KEY REMINDERS



Vaccinate as soon as patient is stable if not done before surgery.



Complete the full schedule and boosters for ongoing protection.



Document vaccines and plan follow-up appointments.



Vaccine talks
Egyptian edition