

# Splenectomy Vaccinations

| Schedule                                                                                    | Vaccine                                                                                                                   | Comments                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Elective Splenectomy                                                                        |                                                                                                                           |                                                                                                                                                                                                                                                       |
| <b>10 weeks</b><br><b>PRE-surgery</b>                                                       | <b>PCV13</b> – Pneumococcal Conjugate 13-valent Vaccine 0.5 mL deep IM ( <i>deltoid</i> ) x 1 dose                        | <b>Formulary:</b> Prevnar®<br>May omit <b>PCV13</b> if scheduling does not permit.                                                                                                                                                                    |
| <b>2 weeks</b><br><b>PRE-surgery</b>                                                        | <b>PPSV23</b> – Pneumococcal Polysaccharide 23-valent Vaccine 0.5 mL SC/IM x 1 dose                                       | <b>Formulary:</b> Pneumovax-23®<br>Must wait a minimum of 8 weeks between giving <b>PCV13</b> and <b>PPSV23</b> . Arrange for a single booster dose of <b>PPSV23</b> to be given 5 years thereafter.                                                  |
|                                                                                             | <b>MPSV4</b> – Quadrivalent Meningococcal Conjugate Vaccine (A/C/Y/W-135) 0.5 mL IM ( <i>deltoid preferred</i> ) x 1 dose | <b>Formulary:</b> Menactra®<br>2 <sup>nd</sup> dose of <b>MPSV4</b> should be given eight weeks after the 1 <sup>st</sup> and arrange for booster doses to be given every 5 years thereafter.<br>Should space out from <b>PCV13</b> at least 4 weeks. |
|                                                                                             | <b>MenB-4C</b> – Meningococcal Serogroup B vaccine 0.5 mL IM ( <i>deltoid</i> ) x 1 dose                                  | <b>Formulary:</b> Bexsero®<br>2 <sup>nd</sup> dose of <b>MenB-4C</b> should be given after a minimum of 4 weeks.                                                                                                                                      |
|                                                                                             | <b>Hib</b> – Haemophilus b Conjugate Vaccine 0.5 mL IM x 1 dose                                                           | <b>Formulary:</b> Act-HIB®                                                                                                                                                                                                                            |
| <b>6 weeks</b><br><b>POST-surgery</b>                                                       | <b>MPSV4</b> x 1 dose<br><b>MenB-4C</b> x 1 dose                                                                          |                                                                                                                                                                                                                                                       |
| Emergent Splenectomy                                                                        |                                                                                                                           |                                                                                                                                                                                                                                                       |
| <b>2 weeks</b><br><b>POST-surgery</b><br>( <i>preferred – see Clinical Considerations</i> ) | <b>PCV13</b> – Pneumococcal Conjugate 13-valent Vaccine 0.5 mL deep IM ( <i>deltoid</i> ) x 1 dose                        | <b>PPSV23</b> should be given eight weeks after receiving <b>PCV13</b> . Arrange for a single booster dose of <b>PPSV23</b> to be given 5 years thereafter.                                                                                           |
|                                                                                             | <b>MPSV4</b> – Quadrivalent Meningococcal Conjugate Vaccine (A/C/Y/W-135) 0.5 mL IM ( <i>deltoid preferred</i> ) x 1 dose | 2 <sup>nd</sup> dose of <b>MPSV4</b> should be given 8 weeks after the 1 <sup>st</sup> and arrange for booster doses to be given every 5 years thereafter.                                                                                            |
|                                                                                             | <b>MenB-4C</b> – Meningococcal Serogroup B vaccine 0.5 mL IM ( <i>deltoid</i> ) x 1 dose                                  | 2 <sup>nd</sup> dose of <b>MenB-4C</b> should be given after a minimum of 4 weeks.                                                                                                                                                                    |
|                                                                                             | <b>Hib</b> – Haemophilus b Conjugate Vaccine 0.5 mL IM x 1 dose                                                           |                                                                                                                                                                                                                                                       |
| <b>10 weeks</b><br><b>POST-surgery</b>                                                      | <b>PPSV23</b> x 1 dose<br><b>MPSV4</b> x 1 dose<br><b>MenB-4C</b> x 1 dose                                                |                                                                                                                                                                                                                                                       |

## Clinical Considerations

- ☞ The influenza vaccine is recommended for all patients admitted during the flu season (October to April) if not already vaccinated for that season
- ☞ For emergent splenectomy, if patient is discharged prior to 2 weeks post-surgery, vaccinations should be administered before discharge if at risk of being lost to follow-up