

## Annexure IV

**Post HCT Vaccination Schedule<sup>24-29</sup>**  
**(Allogeneic transplant)**

To be initiated once the patient is off immunosuppression (1 month) with no signs of GVHD

Name		Hospital No			Age	Sex	UPN		
Date of BMT		Immunosuppression stopped on (Date)				Chronic GVHD (Yes/No)			
S No	Vaccine	Volume	Route	Start at	Comments	1 <sup>st</sup> dose	2 <sup>nd</sup> dose	3 <sup>rd</sup> dose	
1	<b>Pneumococcal conjugate vaccine (PCV-13)</b> 3 doses followed by	0.5ml	IM	1 year	3 doses: 2 months apart.  <b>0,2,4, months</b>				
2	<b>Pneumococcal polysaccharide capsular vaccine.</b> (to be given in children after 24 months of age)	0.5 ml	IM	At least 1 year 10 months post allo BMT	<b>10 months after 1<sup>st</sup> dose of prevnar</b>				
2	<b>Inactivated Influenza (April to September)</b>	0.25ml ( 6mths – 3 yrs) 0.5ml (>3 yrs)	IM	6 months onwards and yearly	<9 years – 2 doses (0,1 month) >9 years – 1 dose				
3	<b>Inactivated polio</b>	0.5ml	IM	1 year	3 doses; 2 months apart.				

					<b>0,2,4 months</b>			
<b>4</b>	<b>H influenza B</b>	0.5ml	IM	1 year	3 doses; 2 months apart. <b>0,2,4 months</b>			
<b>5</b>	<b>DTaP/DPT</b>	0.5ml	IM	1 year	3 doses; 2 months apart. <b>0,2,4 months</b>			
3,4,5	<b>Combination vaccine: (IPV, HiB, DTaP) given 2 months apart)</b>	0.5ml	IM	1 year	3 doses; Alternative to vaccines 3,4 & 5 2 months apart <b>0,2,4 months</b>			
<b>6</b>	<b>Hepatitis B</b>	0.5ml	IM	1 year	3 doses; <b>0,2,6 months</b>			
<b>7</b>	<b>HPV: 9-26 years. Vaccine be administered in sitting/lying down position. And the patient be observed for 15 min post vaccination.</b>	0.5ml	I/M	1 year	3 doses <b>(0,2,6 months)</b>			
<b>8</b>	<b>Hepatitis A</b>	1.0ml (adults) 0.5ml (<18 yrs)	IM only (deltoid or anterolateral thigh)	1 year	<b>2 doses:</b>  <b>0,6 months</b>		Booster at 6mths – 5 yrs)	<b>Never to be given in gluteal region</b>
<b>9</b>	<b>Typhoid (Conjugate)</b>	0.5ml	IM	1 year	<b>2 doses</b> <b>0,2</b>			
<b>LIVE VACCINES: To be started after 2 years and off immunosuppression for 12 months.</b>								
<b>10</b>	<b>MMR ( Live) (2-1-8 rule) (2yrs after BMT, 1 year after IST, 8 months after IVIg)</b>	0.5ml	<b>Deep S/C only</b>	2 years	<b>Children 2 doses; 1 months apart. 0, 1 months</b> <b>Adults: 1 dose</b>			<b>2-1-8 rule</b>

11	Varicella (Varilrix) – Live (2-1-8 rule) (>12 months)	0.5ml	S/C only	2 years	2 doses; 1 month apart. 0, 1			2-1-8 rule
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**POST TRANSPLANT OPTIONAL VACCINES**

Meningococcal vaccine (Conjugate)	0.5ml	IM	1 Year				2 doses 2 months apart.
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**VACCINES CONTRAINDICATED POST BMT**

<b>BCG</b>	<b>Not to be given</b>
Oral polio vaccine (live)	Not to be given – NOT TO GIVE ORAL POLIO VACCINE TO ANY ONE AT HOME They also have to be vaccinated with Inactivated polio vaccine.
Intranasal influenza	Not to be given
<b>Cholera</b>	No data were found regarding safety and immunogenictiy among HCT recipients

**Vaccines for Contacts (Children and close family members) and Health Care Workers Sibling:** Of the transplant patient should continue vaccination as per the age. Oral polio to be replaced by injectable polio (IPV)

Vaccine	Volume	Route	Start at	1 <sup>st</sup> dose	2 <sup>nd</sup> dose	3 <sup>rd</sup> dose	Comments
Varicella (Varilrix)	0.5ml	<b>S/C only</b>	1 year of age				2 doses for >13 yrs.
<b>Inactivated Influenza (Vaxigrip)</b>	0.5ml (>3 yrs) 0.25ml ( 6 mon – 3 yrs)	IM	6 months post-transplant				And then yearly

**Post HCT Vaccination Schedule<sup>24-29</sup>**  
(Autologous transplant)

Name		Hospital No			Age	Sex	UPN		
Date of BMT									
S No	Vaccine	Volume	Route	Start at	Comments	1 <sup>st</sup> dose	2 <sup>nd</sup> dose	3 <sup>rd</sup> dose	
1	<b>Pneumococcal conjugate vaccine (PCV-13) 3 doses followed by</b>	0.5ml	IM	6 months	3 doses: 2 months apart.  <b>0,2,4, months</b>				
2	<b>Pneumococcal polysaccharide capsular vaccine. (to be given in children after 24 months of age)</b>	0.5 ml	IM	16 months post Auto BMT	<b>10 months after 1<sup>st</sup> dose of prevnar</b>				
2	<b>Inactivated Influenza (April to September)</b>	0.25ml ( 6mths – 3 yrs) 0.5ml (>3 yrs)	IM	6 months onwards and yearly	<9 years – 2 doses (0,1 month) >9 years – 1 dose				
3	<b>Inactivated polio</b>	0.5ml	IM	6 months	3 doses; 2 months apart. <b>0,2,4 months</b>				
4	<b>H influenza B</b>	0.5ml	IM	6 months	3 doses; 2 months apart.				

					<b>0,2,4 months</b>				
5	DTaP/DPT	0.5ml	IM	6 months	3 doses; 2 months apart. <b>0,2,4 months</b>				
3,4, 5	Combination vaccine: (IPV, HiB, DTaP) given 2 months apart)	0.5ml	IM	6 months	3 doses; Alternative to vaccines 3,4 & 5 2 months apart <b>0,2,4 months</b>				
6	Hepatitis B	0.5ml	IM	6 months	3 doses; <b>0,2,6 months</b>				
7	HPV: 9-26 years. Vaccine be administered in sitting/lying down position. And the patient be observed for 15 min post vaccination.	0.5ml	I/M	6 months	3 doses <b>(0,2,6 months)</b>				
8	Hepatitis A	1.0ml (adults) 0.5ml (<18 yrs)	IM only (deltoid or anterolateral thigh)	6 months	2 doses:  <b>0,6 months</b>		Booster at 6mths – 5 yrs)	<b>Never to be given in gluteal region</b>	
9	Typhoid (Conjugate)	0.5ml	IM	6 months	2 doses <b>0,2</b>				
<b>LIVE VACCINES: To be started after 2 years and off immunosuppression for 12 months.</b>									
10	MMR ( Live) (2-1-8 rule) (2yrs after BMT, 1 year after IST, 8 months after IVIg)	0.5ml	Deep S/C only	2 years	Children 2 doses; 1 months apart. <b>0, 1 months</b> Adults: 1 dose				<b>2-1-8 rule</b>
11	Varicella (Varilrix) – Live (2-1-8 rule)	0.5ml	S/C only	2 years	2 doses; 1 month apart.				<b>2-1-8 rule</b>

	(>12 months)				0, 1			
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**POST TRANSPLANT OPTIONAL VACCINES**

<b>Meningococcal vaccine (Conjugate)</b>	0.5ml	IM	1 Year			2 doses 2 months apart.
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**VACCINES CONTRAINDICATED POST BMT**

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<b>Inactivated Influenza (Vaxigrip)</b>	0.5ml (>3 yrs) 0.25ml (6 mon – 3 yrs)	IM	6 months post-transplant				And then yearly