



































Background First generation of CPS vaccine

CHU

- Disappointment from studies of uncoupled first generation purified native GBS CPS vaccines in healthy adults
- ⊙ Demonstration of feasibility of vaccine prevention of GBS disease
- \odot Need for improvement of immunogens
- Success story of polysaccharide-protein conjugate vaccine technology in preventing *Hi* b and *S.pneumoniae* infections in infants













CHV 25



Protein	Protective Ab associated serotypes	
	(in mouse)
Alpha-like proteins		
Alpha	Yes	la, lb et ll
Alp1		la
Rib	Yes	Ш
Alp2	Yes	V, VIII
Alp3	Yes	V, VIII
Beta C protein	Yes	lb
C5a peptidase	Yes	All
Sip (1999)	Yes	All
BPS	Yes	All







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an additional 35 deaths among infants in the US

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GBS Maternal immunization Would it be cost-effective? In conclusion Routine maternal immunization with a trivalent (Ia, Ib and III) vaccine at week 28 of pregnancy • As an adjunct to screening and IAP • May address an important unmet public health need in the US • And further reduce the burden of GBS disease during infancy (EO and LOD) • May be comparable in cost-effectiveness to several other vaccines recently approved to use in children and adolescents

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