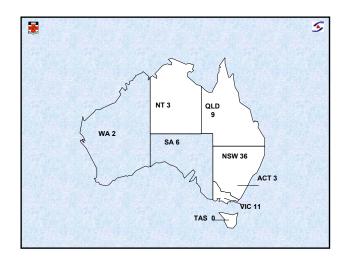
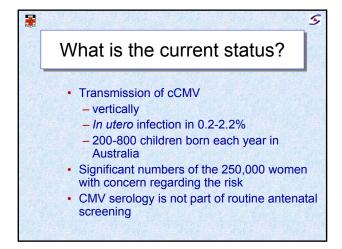
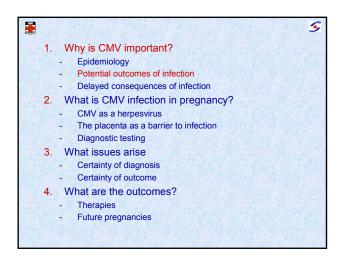
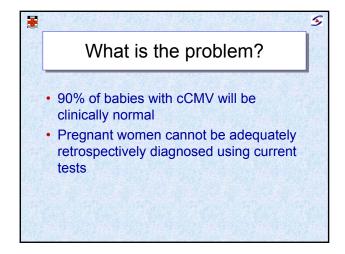


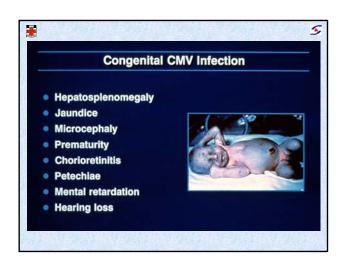
Estimated annual incidence of congenital CMV infection & disease in Aust & NSW			
Live births	~246,000	86,5000	
Primary maternal infection rate (1.5%)	3,690	1,298	
CMV infected infants (40%)	1,476	519	
Symptomatic infection at birth (15%)	221	78	
Those with fatal infection (30%)	66	23	
Those with severe sequelae (70%)	155	55	
Asymptomatic infection at birth (85%)	1,255	441	
Those with later sequelae (15%)	188	66	
otal with CMV sequelae	409	144	

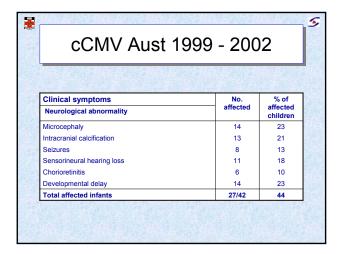


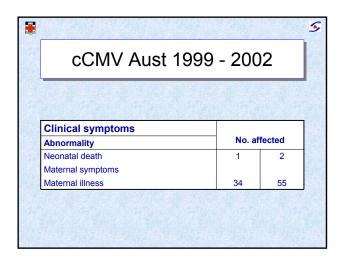


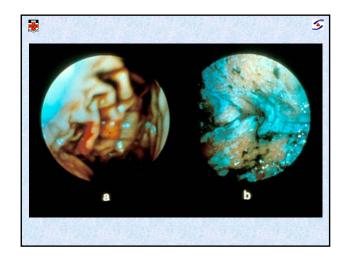


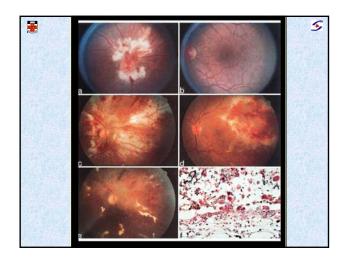


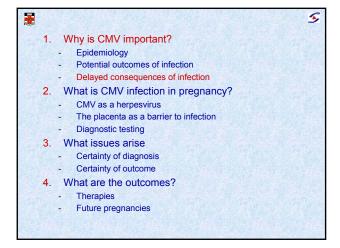












Delayed consequences of infection

• Later
- sensorineural hearing loss (<5yr)
- neurodevelopmental delay (<5yr)
• Eye disease
• Immunological effects
• Latency

CLINICAL - Late complications

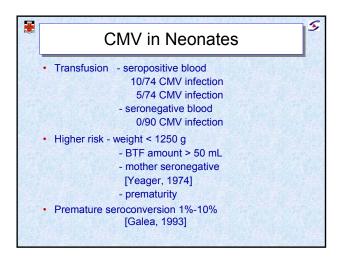
• Rejection

• Bacteraemia

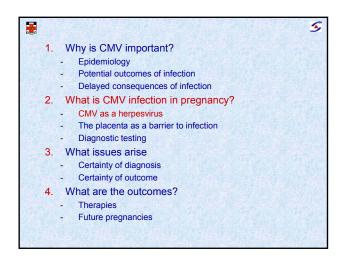
• Fungal infection - aspergillosis

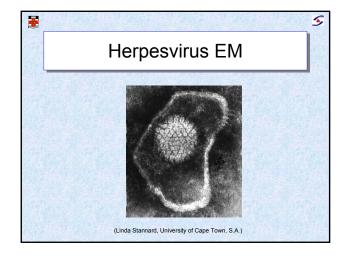
• Vascular effects - atherosclerosis

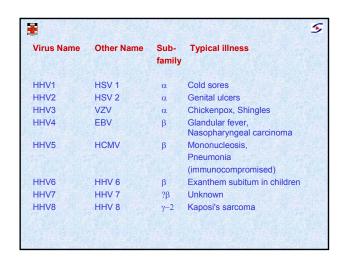
[Nicols 2001]

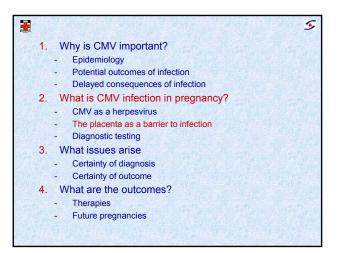


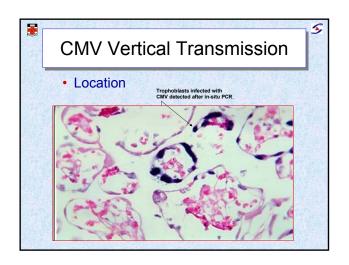


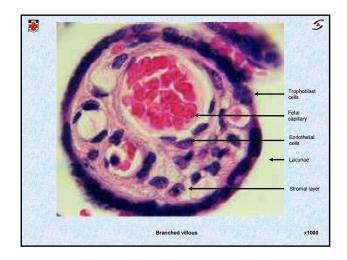


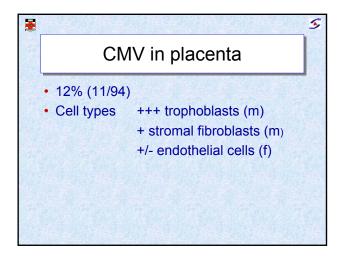


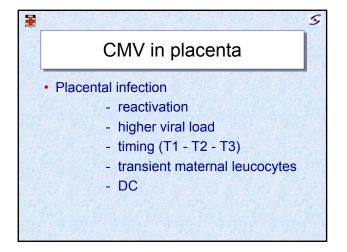


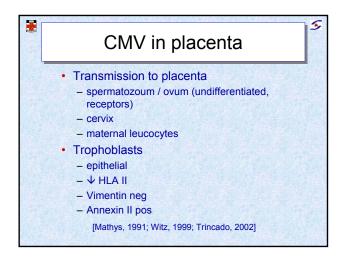


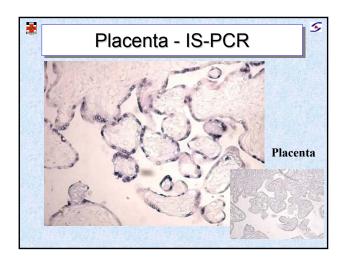


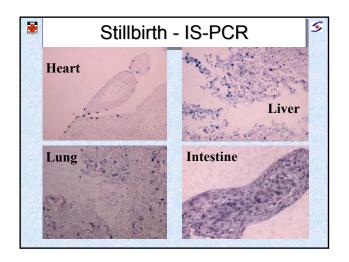


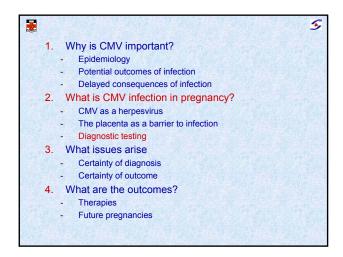


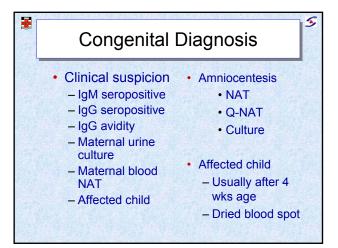


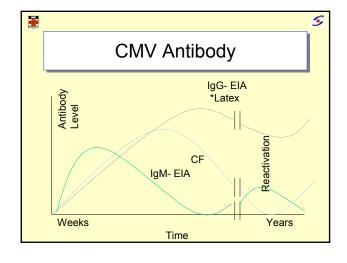


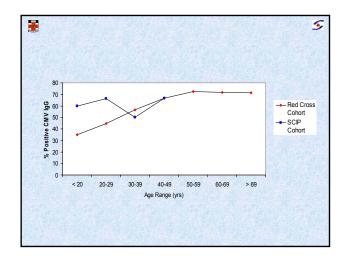


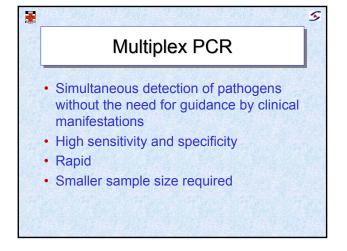




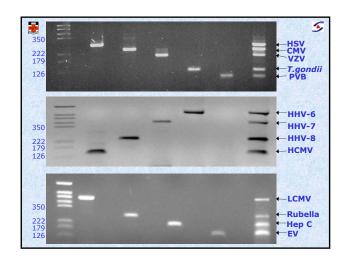


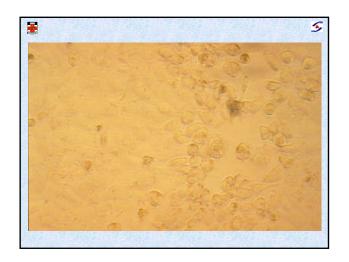


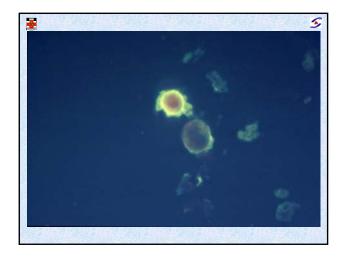


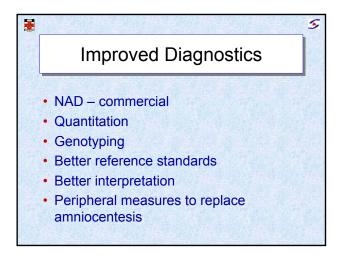


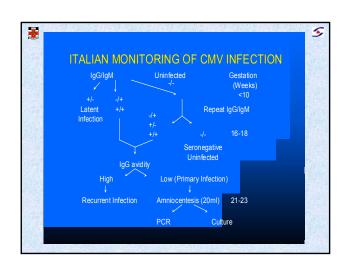
DNA1	DNA2	RNA	PRO1
CMV, HSV1	HHV6, HHV7	Rubella, EV	GpB Streptococcus
VZV, toxoplasma	Adenovirus, AAV	HCV, LCMV	Ureaplasma, mycoplasma
Parvovirus B19	Mouse mammary tumour virus	Influenza	C. trachomatis

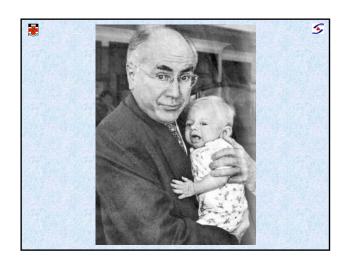


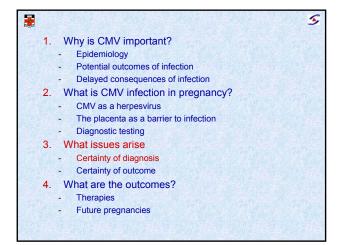


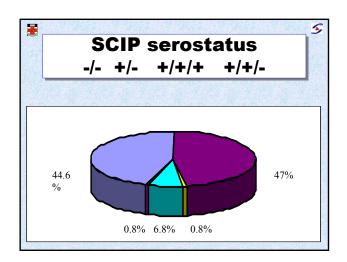


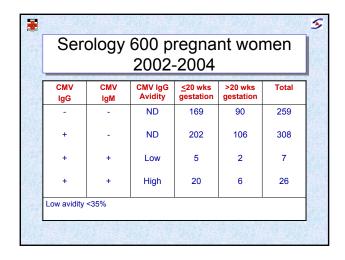


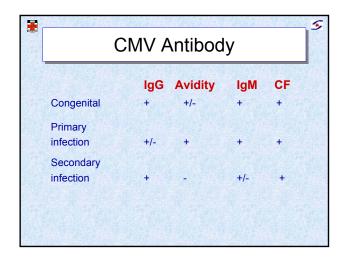


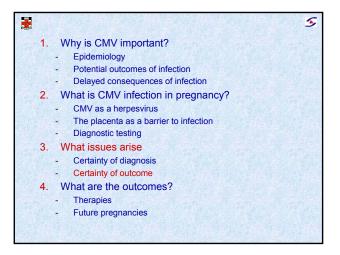


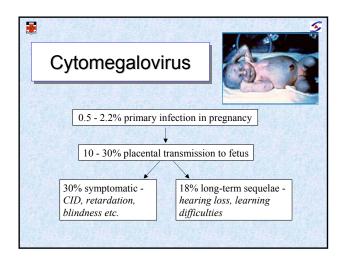


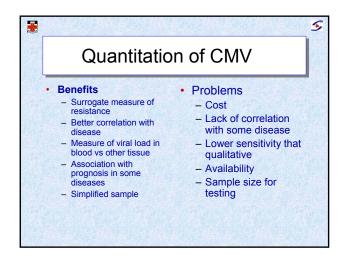




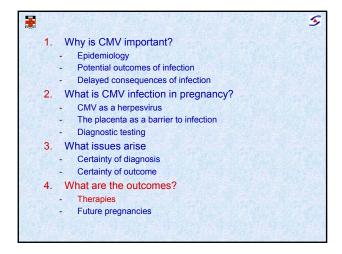


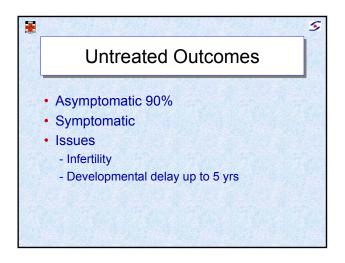


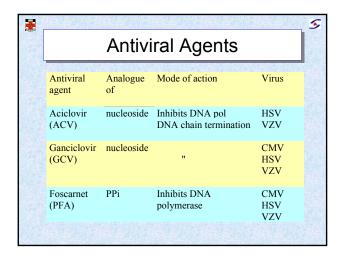


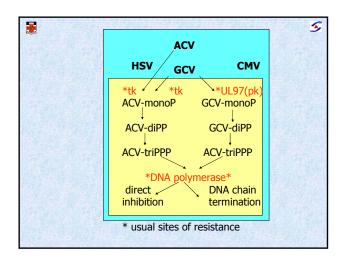


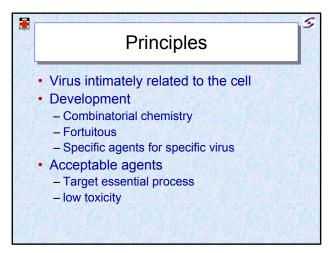


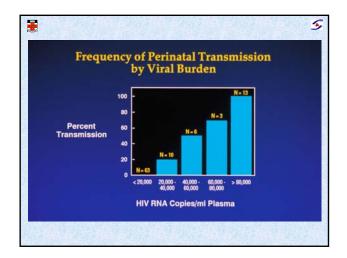




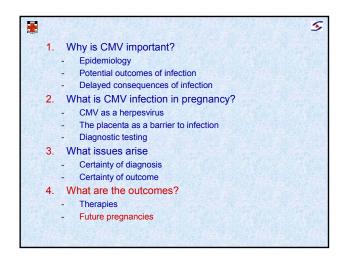


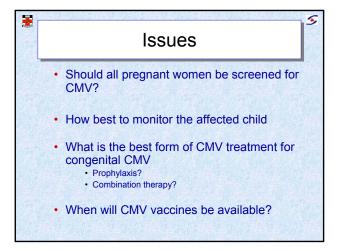




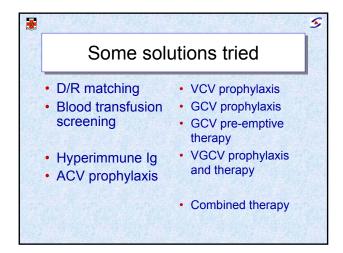












Pathogen	Symptoms	
Varicella-Zoster virus	Limb hypoplasia	
Herpes simplex virus	Neurodevelopmental disability	
Parvovirus B19	Hydrops fetalis	
Toxoplasma gondii	Similar to CMV	
Hepatitis C	Chronic hepatitis	
Enterovirus	Fetal death, ?diabetes	
Lymphocytic choriomeningitis virus	Similar to CMV	
Human herpesvirus type 6		
Human herpesvirus type 7	Tenantenant	
Human herpesvirus type 8		

