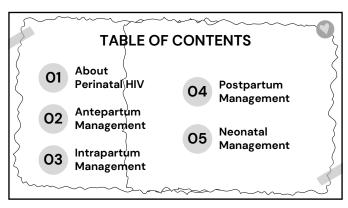
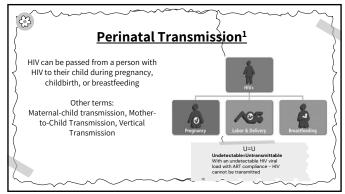


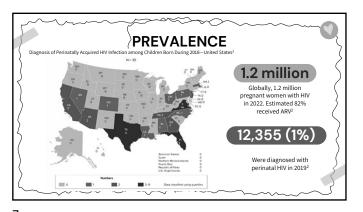
\	L	earning Objectives
1	Define	Perinatal transmission of HIV and its risk factors
}	Review	Different therapies of ARV during antepartum, intrapartum and postpartum
\	Recognize	Difference between infant prophylaxis/treatment
	Review	Breastfeeding risks and recommendations in HIV+ patients

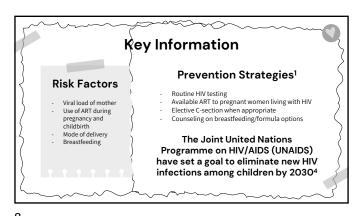




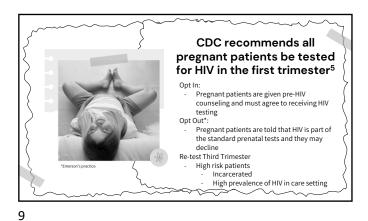


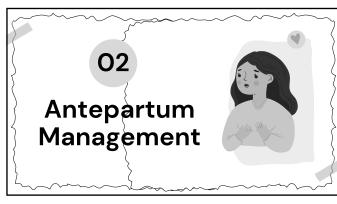
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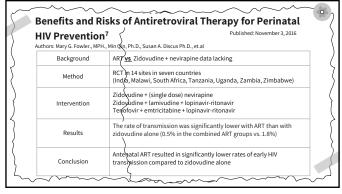
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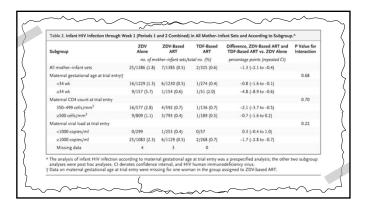


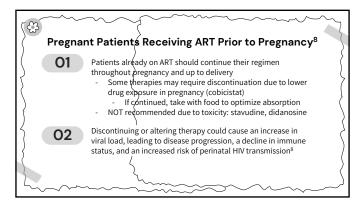
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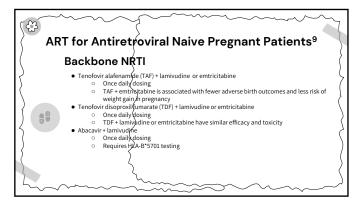
9	Effects of Antiretro Risk of HIV Tra	,
}	Without ART	WithART
	25%*	<1 %
}		}
3~	*40% if breastfeeding	

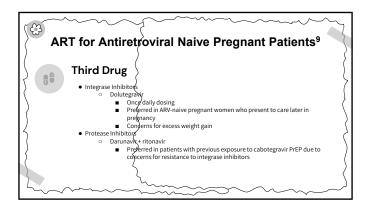


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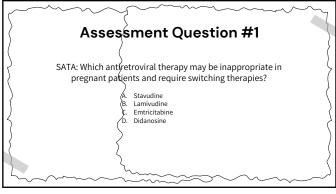


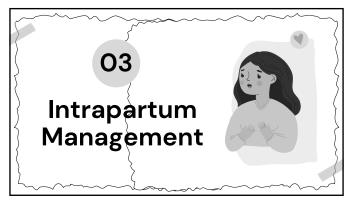




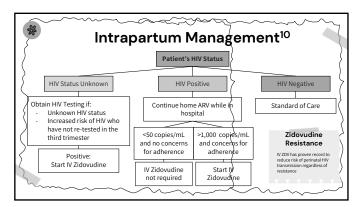


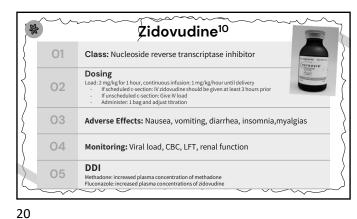
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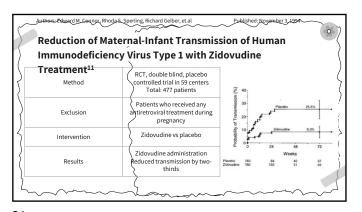


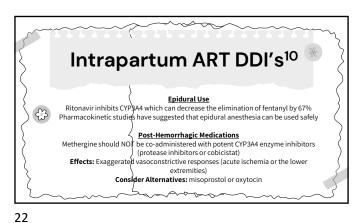


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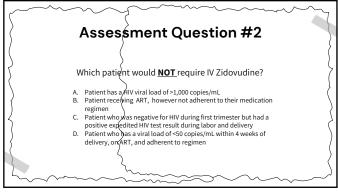


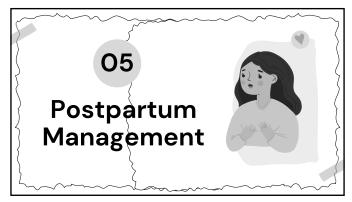




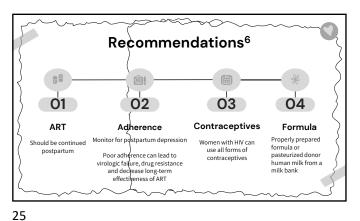


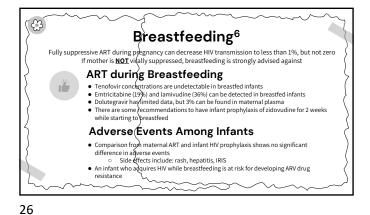
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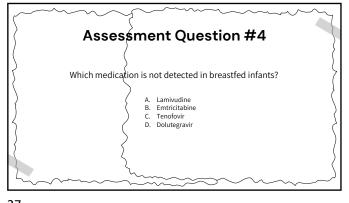


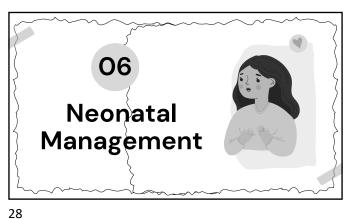


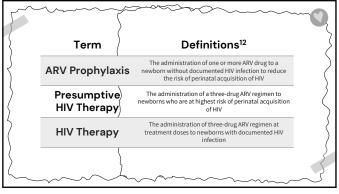
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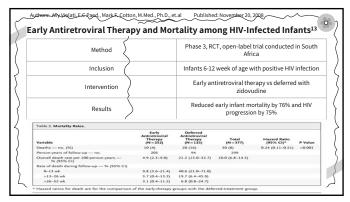












Age	Description	ARV Management
≥37 weeks	- Mother received atleast 10 weeks of ART during pregnancy and maintained viral suppression OR - Has HIV RNA <50 copies/m/ after 36 weeks and within 4 weeks of delivery and no acute HIV infection with good adherence	Zidovudine for 2 weeks
≥37 weeks	Do not meet above criteria or for high risk but have a HIV RNA 50 copies/mL	Zidovudine for 4-6 week
<37 weeks (premature)	eeks (premature) - Regardless of risk	

Risk	Description	ARV Management
High Risk	Mother did not receive antepartum ARV Mothers who only received intrapartum ARV Did not meet viral suppression Acute or primary HIV infection	Presumptive HIV therapy with zidovudine, lamivudine and nevirapine (or raltegravir, from birth to 6 weeks
Presumed newborn HIV exposure	Mothers with unconfirmed HIV status who have at least one positive HIV test	As above. ARV should be d/c if mother is confirmed to not have HIV
Newborn with HIV	- Positive newborn HIV test	Therapeutic doses of ARV above

31

Drug	Age	Dosing
Zidovudine	Birth to age 4 weeks	4 mg/kg PO twice daily
May be given IV = 75% of oral dose with same interval Available: tablet, syrup, IV	>4 weeks	12 mg/kg PO twice daily
Lamiyudine	Birth to age 4 weeks	2 mg/kg PO twice daily
Available: tablet, oral suspension	>4 weeks	4 mg/kg PO twice daily
Nevirapine Available: tablet, oral suspension	Birth to age 4 weeks	6 mg/kg PO twice daily
	>4 weeks	200 mg/m² PO twice daily *only dose increase with confirmed HIV
Raltegravir	Birth to age 1 week	1.5 mg/kg PO once daily
Available: tablet, oral suspension	1 week - 4 weeks	3 mg/kg PO twice daily

Management of Medication Toxicity or Intolerance in Infants¹⁴

Adverse events can range from mild (GI intolerance, fatigue) to severe and life threatening illhesses (hepatotoxicity, insulin resistance, neurotoxicity, nephrotoxicity)

- Acute: occur soon after arug is administered

- Subacute: within 1-2 days

- Late: prolonged drug administration

Management includes

- Symptomatic treatment of mild-to-moderate

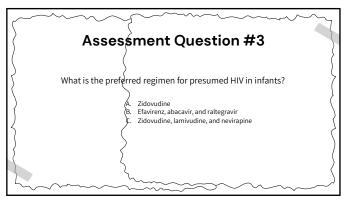
- Stopping all components of drug regimen if severe

- Switching therapies

- Ex: changing to abbcavir if infant has ZDV-related anemia

- Consider dose reduction (not recommended)

33



Major progression towards preventing perinatal HIV transmission

- Access to healthcare is limited in some countries

- Stigma, discrimination, and social barriers can hinder efforts to prevent transmission

- Comprehensive HIV care and prevention services are critical to reduce rates and improve health outcomes to mothers and infants

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