

## Appendix 4: Antiretroviral drugs doses

### LOPINAVIR WITH RITONAVIR

Capsules: Lopinavir (133.3mg), Ritonavir (33.3mg) capsules,

Dose: **For adults and adolescent** with body surface area of  $1.3\text{m}^2$  or greater take 3 capsules daily with food.

Oral solution: Lopinavir (400mg) with ritonavir (100mg/5ml)

Dose: **Adults and adolescent** with body surface area of  $1.3\text{m}^2$  or greater, 5mL twice daily with food.

**Child** over 2 years  $2.9\text{mL}/\text{m}^2$  twice daily with food, max. 5mL twice daily;

**CHILD UNDER 2 YEARS, SAFETY AND EFFICACY NOT ESTABLISHED.**

Note: 5mls oral solution = 3capsules

### EFAVIRENZ

Capsules: efavirenz 50mg (yellow/white)

Dose: **Adult and Child** over 3years, body-weight 13 – 14kg, 200mg once daily; body-weight 20 – 24kg, 300mg once daily; body-weight 32.5-39kg, 400mg once daily; body-weight 40kg and over, 600mg once daily.

Oral solution: suager-free strawberry and mint flavour efavirenz 30mg/mL.

Dose: **Adult and Child** over 5years,  
 13 – 14 kg = 270mg once daily,  
 15 – 19 kg = 300mg once daily,  
 20 – 24 kg = 360mg once daily,  
 32.5 – 39kg = 510 mg once daily,  
 40kg & over = 720 mg once daily.  
**Child** 3 –4 years,  
 13 – 14 kg = 360mg once daily,  
 15 – 19 kg = 390mg once daily,  
 20 – 24 kg = 450mg once daily,  
 25 – 32.4kg = 510mg once daily.

## NEVIRAPINE

Dose: 200mg once daily for first 14 days then (if no rash present) 200mg twice daily;  
**Child 2 months** – 8 years, 4mg/kg once daily for first 14 days then (if no rash present) 7mg/kg twice daily (max. 400mg daily); 8-16 years (but under 50kg), 4mg/kg once daily for first 14 days then (if no rash present) 4mg/kg twice daily (max. 400mg daily); over 50kg, adult dose.

Tablets: Nevirapine 200mg  
 Suspension, nevirapine: 50mg/5mL

## DIDANOSINE

Dose: **Adult** under 60kg 250mg daily in 1-2 divided doses, 60kg and over 400mg daily in 1-3 divided doses.  
**Child** over 3 months (under 6 years Videx tablets only), 240mg/m<sup>2</sup> daily (180mg/m<sup>2</sup> daily in combination with zidovudine) in 1-2 divided doses.

## STAVUDINE

Capsules: Stavudine 15mg (yellow/red)  
 Dose: **Adult** under 60kg, 30mg every 12 hours preferably at least 1 hour before food; 60kg and over, 40mg every 12 hours;  
**Child** over 3 months, under 30kg, 1mg/kg every 12 hours; 30kg and over, adult dose  
 Oral Solution: cherry-flavoured, stavudine for reconstitution with water, 1mg/mL.

## ZIDOVUDINE

Capsules: Zidovudine 100mg (white/blue band)  
 Tablets: Zidovudine 300mg  
 Syrup: Sugar-free, strawberry-flavoured, zidovudine 50mg/5mL  
 Injection: Zidovudine 10mg/mL. For dilution and use as an intravenous infusion.  
 Dose: By mouth, 500-600mg daily in 2-3 divided doses;

Child over 3 months 360-480mg/m<sup>2</sup> daily in 3-4 divided doses; max. 200mg every 6 hours.

Patients temporarily unable to take zidovudine by mouth, by intravenous infusion over 1 hour, 1-2mg/kg every 4 hours (approximating to 1.5-3mg/kg every 4 hours by mouth) usually for not more than 2 weeks.

**Child** 80 – 160mg/m<sup>2</sup> every 6 hours (120mg/m<sup>2</sup> every 6 hours approximates to 180mg/m<sup>2</sup> every 6 hours by mouth).

## INDINAVIR

Capsules: Indinivar (as sulphate) 100mg

Counselling: Administer 1 hour before or 2 hours after a meal; may be administered with a low-fat, light meal; in combination with didanosine tablets, allow 1 hour between each drug (antacids in didanosine tablets reduce absorption of indinavir)

Dose: 800mg every 8 hours; **Child and Adolescent** 4-17 years, 500mg/m<sup>2</sup> every 8 hours (max. 800mg every 8 hours); **Child** under 4 years, safety and efficacy not established.

## LAMIVUDINE

Tablets: Lamivudine 150mg

Oral solution: Banana and strawberry flavoured lamivudine 50mg/5mL.

Dose: HIV infection in combination with other antiretrovirals drugs, 150mg every 12 hours or 300mg onc daily; Child 3 months – 12 years, 4mg/kg every 12 hours; max. 300mg daily.

Tablets: Lamivudine 100mg

Oral solution: Banana and strawberry flavoured lamivudine 25mg/5mL

Dose: Chronic hepatitis B infection (with evidence of viral replication and either decompensated liver disease or histologically documented active liver inflammation or fibrosis), adults over 16 years, 100mg daily; patients receiving lamivudine for concomitant HIV infection should continue to receive lamivudine in a dose appropriate for HIV infection.

**RITONIVAR**

- Capsules: Ritonavir 100mg  
 Oral Solution: Sugar-free ritonavir 400mg/5mL. Oral solution contains 43% alcohol; bitter taste can be masked by mixing with chocolate milk; do not mix with water, measuring cup must be dry.
- Dose: 600mg every 12 hours; **Child** over 2 years initially 250mg/m<sup>2</sup> every 12 hours, increased by 50mg/m<sup>2</sup> at intervals of 2-3 days to 350mg/m<sup>2</sup> every 12 hours (max. 600mg every 12 hours)
- Low-dose booster to increase effect of other protease inhibitors, 100mg every 12 hours.

**SAQUINAVIR**

- Capsules: Fortovase (gel-filled) beige saquinavir 200mg.  
 Dose: **Adult** over 16 years, 1.2g every 8 hours (within 2 hours after a meal). With low-dose ritonavir, **Adult** over 16 years, 1g every 12 hours (within 2 hours after a meal).
- Capsules: Invirase, brown/green saquinavir (as mesilate)  
 Dose: With low-dose ritonavir, **Adult** over 16 years, 1 g every 12 hours (within 2 hours after meal).

**GANCICLOVIR**

- Capsules: Ganciclovir 250mg (green)  
 Dose: By intravenous infusion, initial (induction) treatment, 5mg/kg every 12 hours for 14-21 days for treatment or for 7-14 days for prevention; maintenance (for patients at risk of relapse of retinitis) 6mg/kg daily on 5 days per week or 5mg/kg daily every day until adequate recovery of immunity; if retinitis progresses initial inductin treatment may be repeated.
- Maintenance treatment in AIDS patients where retinitis stable (following at least 3 weeks of intravenous ganciclovir), by mouth, 1g 3 times daily with food or 500mg 6 times daily with food or 500mg 6 times daily with food, prevention of cytomegalovirus disease in liver and kidney transplant patients, by mouth, 1g 3 times daily with food.

**ZALCITABINE**

Tablets: Zalcitabine 375 micrograms (beige), & 50micrograms (grey)  
 Dose: 750 micrograms every 8 hours; **Child** under 13 years safety and efficacy not established.

**AMPRENAVIR**

Capsules: Both ivory amprenavir 50mg  
 Dose: **Adult** over 12 years, body-weight over 50kg, 1.2g every 12 hours;  
**Adult** over 12 years, body-weight under 50kg and **Child** over 4 years 20gm/kg every 12 hours(max. 2.4g daily), **Child** under 4 years safety and efficacy not established.  
 With low-dose ritonavir, **Adult** over 12 years, body-weight over 50kg amprenavir 600mg every 12 hours with ritonavir 100-200mg every 12 hours.

Oral solution: Grape-bubblegum and peppermint flavoured amprenavir 15mg/mL  
 Dose: **Adult and Child** over 4 years, 17mg/kg every 8 hours (max. 2.8g daily); Child under 4 years not recommended.