

## 2.2 NEVIRAPINE (NVP)

### FORMULATIONS

Tablets	Capsules	Liquid	FDC
50 mg 200 mg	None	10 mg/ml	<b>Baby 50 mg NVP</b> <b>Adult 200 mg NVP</b> <ul style="list-style-type: none"> <li>• NVP + d4T + 3TC</li> <li>• NVP + AZT + 3TC</li> </ul> <b>Junior 100 mg NVP</b> <ul style="list-style-type: none"> <li>• NVP + d4T + 3TC</li> </ul>

### DOSE AND DOSE FREQUENCY

#### Target dose – maintenance therapy

- 160 – 200 mg/m<sup>2</sup> to maximum dose of 200 mg twice daily

#### Target dose – prophylaxis

Aim for exposure of 100 ng/ml

- Birth to 6 weeks of age:
 

weight less than 2.5 kg	10 mg per day
weight more than 2.5 kg	15 mg per day
- Age 6 weeks to 6 months 20 mg per day
- Age 6 months to 9 months 30 mg per day
- Age 9 months to end of breastfeeding 40 mg per day

#### Special considerations for PMTCT in infants

- Give first dose as early as possible after delivery, preferably within first 6 hours.
- If infant weight is not available, administer 1 ml liquid and thereafter follow national MTCT dosing recommendations.

#### Special considerations on maintenance therapy

- Induction dose: during the first 14 days omit the evening dose of NVP. If the morning and evening doses are unequal, give the higher dose in the morning and omit the lower evening dose.
- Maintenance dose: target dose is 160–200 mg/m<sup>2</sup> given twice daily and adjusted for more aggressive dosing in the younger age group.
- If a mild rash occurs during the first 14 days of induction dosing, continue once-daily dosing and only escalate dose once the rash has subsided and the dose is well tolerated. If a severe rash occurs (especially if accompanied by fever, blistering or mucosal ulcerations), discontinue the drug.

#### Administration – tablets

- Some manufacturers make 200 mg tablets that are scored and can be divided into two equal parts. Other preparations may not be scored and where possible should be divided with a pill cutter. Broken tablets can be crushed and combined with a small amount of water or food and taken immediately.
- 50 mg tablets are scored and can be split.

#### Administration – liquid

- Use an oral dosing syringe or dosing cup.
- Shake well before use.

#### Storage

- Store liquid at 25°C (range 15 – 30°C).
- Bottle of liquid should be used within 6 months of opening.

## NEVIRAPINE (NVP)

### OTHER COMMENTS

#### General

- Parents must be warned about a potential severe, life-threatening rash during the 14-day lead-in period. The once-daily induction dose is used to reduce the frequency of rash.
- NVP should be permanently discontinued and not restarted in children who develop severe rash.
- Can be given without regard to food

#### Pharmacokinetic data

- Available from birth

#### Major drug interactions

- Avoid NVP if rifampicin is co-administered; also interacts with ketoconazole.

Ref: [http://bidocs.boehringer-ingenheim.com/BIWebAccess/ViewServlet.ser?docBase=renetnt & folderPath =/Prescribing\\_+ Information/Pls/Viramune/Viramune.pdf](http://bidocs.boehringer-ingenheim.com/BIWebAccess/ViewServlet.ser?docBase=renetnt & folderPath =/Prescribing_+ Information/Pls/Viramune/Viramune.pdf)  
<http://www.who.int/hiv/pub/paediatric/antiretroviral/en/index.html>

## NEVIRAPINE

Recommended maintenance dose based on weight-bands for children >6 weeks using liquid and adult tablets

Weight range (kg)		Target dose 160 – 200 mg/m <sup>2</sup> to max 200 mg twice daily		Dose (ml or tablets)	
Bottom	Top	Formulation		a.m.	p.m.
3	3.9	10	mg/ml liquid	5 ml	5 ml
4	4.9	10	mg/ml liquid	5 ml	5 ml
5	5.9	10	mg/ml liquid	5 ml	5 ml
6	6.9	10	mg/ml liquid	8 ml	8 ml
7	7.9	10	mg/ml liquid	8 ml	8 ml
8	8.9	10	mg/ml liquid	8 ml	8 ml
9	9.9	10	mg/ml liquid	8 ml	8 ml
10	10.9	10	mg/ml liquid	10 ml	10 ml
11	11.9	10	mg/ml liquid	10 ml	10 ml
12	13.9	10	mg/ml liquid	10 ml	10 ml
14	16.9	200	mg tablet	1	½
17	19.9	200	mg tablet	1	½
20	24.9	200	mg tablet	1	½
25	29.9	200	mg tablet	1	1
30	34.9	200	mg tablet	1	1

## NEVIRAPINE

Recommended maintenance dose based on weight-bands for children >6 weeks using paediatric and adult tablets

Weight range (kg)		Target dose 160 – 200 mg/m <sup>2</sup> to max 200 mg twice daily		Dose (tablets)	
Bottom	Top	Formulation		a.m.	p.m.
3	3.9	50	mg tablet	1	1
4	4.9	50	mg tablet	1	1
5	5.9	50	mg tablet	1	1
6	6.9	50	mg tablet	1.5	1.5
7	7.9	50	mg tablet	1.5	1.5
8	8.9	50	mg tablet	1.5	1.5
9	9.9	50	mg tablet	1.5	1.5
10	10.9	50	mg tablet	2	2
11	11.9	50	mg tablet	2	2
12	13.9	50	mg tablet	2	2
14	16.9	50	mg tablet	2.5	2.5
17	19.9	50	mg tablet	2.5	2.5
20	24.9	50	mg tablet	3	3
25	29.9	200	mg tablet	1	1
30	34.9	200	mg tablet	1	1