

## Drug Sensitive TB treatment

### A. Treatment regime

| Type of patients                                                                                                                               |          |                                                                                                                                           | Treatment regimen                                 |                      |                         |
|------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------|-------------------------|
|                                                                                                                                                |          |                                                                                                                                           | Regimen                                           | Intensive phase (IP) | Continuation phase (CP) |
| New cases                                                                                                                                      | Adult    |                                                                                                                                           | Initial Regimen (IR)                              | 2 HRZE               | 4 HR                    |
|                                                                                                                                                | Children | Children <8 yrs with <ul style="list-style-type: none"><li>• severe form of TB (OR)</li><li>• infected with HIV</li></ul> Children >8 yrs | Initial Regimen (IR)<br>(using child dosage tabs) | 2 HRZE               | 4 HR                    |
|                                                                                                                                                |          | Children <8 yrs with <ul style="list-style-type: none"><li>• *non-severe form of TB and</li><li>• not infected with HIV</li></ul>         | Childhood Regimen (CR)                            | 2 HRZ                | 4 HR                    |
| Both children and adult<br>Relapse/ Treatment after failure or LTF/ previously treated case for more than 1 month or unknown treatment history |          |                                                                                                                                           | Retreatment Regimen (RR)                          | 3 HRZE               | 5 HRE                   |

#### \*Non severe forms of TB

- peripheral lymph node TB;
- intrathoracic lymph node TB without airway obstruction;
- uncomplicated TB pleural effusion
- sputum (-)ve pul TB (non-cavitary, confined to one lobe of the lungs, and without a miliary pattern)

## TB treatment (longer regime)

| Type of TB                                                                                                                        | Regime             | Treatment regime |                    | Remark                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|--------------------|-------------------------------------------------------------------------------------------|
|                                                                                                                                   |                    | Intensive phase  | Continuation Phase |                                                                                           |
| <ul style="list-style-type: none"> <li>TB meningitis</li> <li>Disseminated TB (military TB)</li> <li>Osteoarticular TB</li> </ul> | Initial regime     | 2HRZE            | 10 HR              |                                                                                           |
|                                                                                                                                   | Retreatment regime | 3 HRZE           | 9 HRE              | Since longer regime of ethambutol (12 months), optic neuritis should be closely monitored |

- The case of TB meningitis who need retreatment regime (3 HRZE/ 9 HRE) should be discussed case by case at CME (Aung San Hospital).

## B. TB treatment dosage (for adult)

| Components of FDC                                             | FDC          | No. of FDC tablet to be given |          |          |                       |
|---------------------------------------------------------------|--------------|-------------------------------|----------|----------|-----------------------|
|                                                               |              | 30-39 kg*                     | 40-54 kg | 55-70 kg | ≥ 70 kg               |
| H = 75 mg<br>R = 150 mg<br>Z = 400 mg<br>E = 275 mg           | 4 FDC (HRZE) | 2                             | 3        | 4        | Prefer separate drugs |
|                                                               | 3 FDC (HRE)  | 2                             | 3        | 4        |                       |
|                                                               | 2 FDC (HR)   | 2                             | 3        | 4        |                       |
| * In Myanmar, can prescribe FDC 3 tablet for body wt 30-39 kg |              |                               |          |          |                       |



4FDC

H

75 mg

R

150 mg

Z

400 mg

E

275 mg

H

75 mg

R

150 mg



2FDC

H 75 mg  
 R 150 mg  
 Z 400 mg  
 E 275 mg

H 75 mg  
 R 150 mg

2FDC

| Drug                                      | H (Isoniazid) | R (Rifampicin) | Z (Pyrazinamide) | E (Ethambutol) |
|-------------------------------------------|---------------|----------------|------------------|----------------|
| Daily dosage in mg/kg ( <15 years of age) | 10 (7 – 15)   | 15 (10 – 20)   | 35 (30 – 40)     | 20 (15 – 25)   |
| Maximum dose                              | 300           | 600            |                  |                |

### C. TB treatment dosage (for children)

| Weight Bands | Number of tablets                  |     |                    |
|--------------|------------------------------------|-----|--------------------|
|              | Intensive phase                    |     | Continuation phase |
|              | RHZ                                | E   | RH                 |
|              | 75/50/150                          | 100 | 75/50              |
| 4-7.9 kg     | 1                                  | 1   | 1                  |
| 8-11.9 kg    | 2                                  | 2   | 2                  |
| 12-15.9 kg   | 3                                  | 3   | 3                  |
| 16-24.9 kg   | 4                                  | 4   | 4                  |
| ≥ 25 kg      | Use adult dosages and preparations |     |                    |

| Drug                                         | H<br>(Isoniazid) | R<br>(Rifampicin) | Z<br>(Pyrazinamide) | E<br>(Ethambutol) |
|----------------------------------------------|------------------|-------------------|---------------------|-------------------|
| Daily dosage in mg/kg ( <15<br>years of age) | 10<br>(7 – 15)   | 15<br>(10 – 20)   | 35<br>(30 – 40)     | 20<br>(15 – 25)   |
| Maximum dose                                 | 300              | 600               |                     |                   |