



Methotrexate and Prednisolone study in Erythema Nodosum Leprosum

MaPs in ENL

Session 3 –Methotrexate

Dr. Barbara de Barros – MaPs study manager



RUMAH SAKIT UMUM DAERAH
DR. SOETOMO



Training Session 3 - Methotrexate

- What is MTX?
 - Use
- Dose
- Adverse Events
- Folic acid
- Overdose

Methotrexate - MTX

- **MTX is an immunosuppressant used in the treatment of a wide range of diseases.**
 - Psoriasis, rheumatoid arthritis, inflammatory bowel disease
- **Widely used worldwide**
- **Oral use in low doses WEEKLY**
- **Presentation**

Dose of MTX

- Low dose once a week
- 2.5mg tablets
- First dose 10mg WEEKLY
- Weight < 60kg will received 15mg per week
- Weight > 60kg will received 20mg per week
- Once a week

Time from enrolment	MTX + Prednisolone group		Placebo + Prednisolone group	
	Participants weighing less than 60 kg will continue to receive 15 mg of MTX weekly and Individuals weighing 60 kg or more will receive MTX 20 mg from week 8.		Participants weighing less than 60 kg will receive 6 dummy tablets from week 8. Participants weighing 60 kg or more will receive 8 dummy tablets from week 8.	
Week	Methotrexate (mg/WEEK) (MTX tablets will be 2.5 mg)	Prednisolone (mg/day)	Prednisolone (mg/day)	DUMMY Methotrexate (Number of tablets/WEEK)
0	10	40	40	4
1-7	15	40	40	6
2	15	35	35	6
3	15	35	35	6
4	15	30	30	6
5	15	30	30	6
6	15	25	25	6
7	15	25	25	6
8	15/20	20	20	6/8
9	15/20	20	20	6/8
10	15/20	20	20	6/8
11	15/20	20	20	6/8
12	15/20	15	15	6/8
13	15/20	15	15	6/8
14	15/20	15	15	6/8
15	15/20	15	15	6/8
16	15/20	10	10	6/8
17	15/20	10	10	6/8
18	15/20	5	5	6/8
19	15/20	5	5	6/8
20-47	15/20	0	0	6/8
48	10	0	0	4
49	10	0	0	4
50	5	0	0	2
51	5	0	0	2
52-59	0	0	0	0

Adverse Events

- Nausea
 - Use of anti-emetics
- Transaminitis
 - Temporary
- Anemia
- Loss of appetite
- The use of folic acid minimizes adverse events
 - 5mg 6 days a week

Folic acid

- Folic acid is a vitamin
- The use of folic acid minimizes adverse events
 - Anemia
 - Nausea
- 5 mg 6 days/ week

Overdose

- Do not take 2 doses at the same time
- Do not share medication
- MTX will be dispensed in small doses
- Methotrexate toxicity
 - Pancytopenia, infections
 - Antidote, hydration, urine alkalinization, antibiotics
- Refer to the lead researcher and contact the study manager

Summary

- Methotrexate mechanism of action and dose
- Adverse events
- What to do if missing dose or overdose