

Methylprednisolone

【OPRED】Methylprednisolone® 4mg/Tab

ATC Code : H02AB04

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適應症： 風濕性熱、風濕樣關節炎及過敏性症狀。

藥理分類： **Corticosteroid, Systemic.**

用法用量： **Administration : oral**, administer tablets after meals or with food or milk to decrease GI upset. If prescribed once daily, administer in the morning.

Usual Dosage

— Adults:

Initially, 2-60 mg daily, depending on disease being treated, and is usually divided into 4 doses.

— Children:

0.117-1.66 mg/kg daily OR

3.3-50 mg/m² daily, administered in 3 or 4 divided doses.

Note:

1. Alternate-day therapy may be considered for patients requiring long-term treatment. Patients receive twice the daily dose administered every other morning.

Alternate-day therapy helps to minimize pituitary-adrenal suppression and decrease some adverse effects.

2. Methylprednisolone dosage must be tapered gradually prior to discontinuation of long-term therapy.

不良反應： 腸胃不適，情緒變化，食欲增加，水腫，肌肉痛，視力模糊，骨質疏鬆，毛髮增加等。

注意事項： 1. 與食物一起服用可以減輕腸胃副作用。
2. 若每日服用一次，建議於早上服用。
3. 全身性黴菌感染症者禁用。
4. 長期使用後須慢慢減量，切勿突然停藥。

Comparison of systemic glucocorticoid preparations

	Equivalent doses (mg)	Anti-inflammatory activity relative to hydrocortisone	Duration of Action (hours)
Short acting			
Hydrocortisone	20	1	8 to 12
Cortisone acetate	25	0.8	8 to 12
Intermediate acting			
Prednisone	5	4	12 to 36
Prednisolone	5	4	12 to 36
Methylprednisolone	4	5	12 to 36
Triamcinolone	4	5	12 to 36
Long acting			
Dexamethasone	0.75	30	36 to 72
Betamethasone	0.6	30	36 to 72

交互作用： methylprednisolone = MTP

- **Desmopressin**: MTP ↑ the hyponatremic effect of Desmopressin.
- **MiFEPRISone**: ↓ the therapeutic effect of Corticosteroids (Systemic).
- **Antacids**: ↓ the bioavailability of Corticosteroids (Oral).
- **Aprepitant, Fosaprepitant**: ↑ the serum concentration of MTP.

- COVID-19 Vaccine : MTP may ↓ the therapeutic effect of COVID-19 Vaccine.
- **CYP3A4 Inducers** (CarBAMazepine, PHENobarbital, Phenytoin, , RifAMPin) :
↓ the serum concentration of MTP.
- **Leflunomide**: MTP may ↑ the immunosuppressive effect of Leflunomide.
- **Live Vaccines**: MTP may ↑ the adverse/toxic effect of Vaccines (Live).

懷 孕 期：

1. Methylprednisolone crosses the placenta (*Anderson 1981*).
2. Some studies have shown an association between first trimester systemic corticosteroid use and oral clefts or decreased birth weight; however, information is conflicting. (*Lunghi 2010; Park-Wyllie 2000; Pradat 2003*).
3. Due to risks of adverse fetal events associated with first trimester exposure, use is reserved for refractory cases in women with dehydration (*ACOG 189 2018*).
- 4.只應在經過謹慎評估對母體和胎兒的益處/風險比後，才可於孕婦使用這項醫療產品。(仿單)

授 乳 期：

- 1.皮質類固醇會於乳汁中分泌。
- 2.分佈在乳汁中的皮質類固醇，可能令餵哺母乳之嬰兒的生長受到抑制，並干擾內生性糖皮質素的生成。由於目前尚未對人類以糖皮質素進行過適當的生殖研究，因此，在考量對授乳婦的治療效益下，須在停止授乳或停止用藥間做一選擇。