Mycophenolate mofetil is a drug that is used to prevent rejection of transplanted organs. It works by helping to stop the body from attacking the new organ. This is done by blocking the production of a type of white blood cell (T lymphocytes) that are involved in the immune response.

**Pharmacokinetics**: Mycophenolate mofetil is rapidly absorbed after oral administration. After oral administration, it is rapidly converted to the active metabolite, mycophenolic acid (MPA). The plasma concentration-time profile is biexponential, with a terminal elimination half-life of approximately 30 hours. The extent of oral absorption is reduced when mycophenolate mofetil is administered with food. The mean oral bioavailability of MPA after administration of mycophenolate mofetil capsules is approximately 50%. The plasma concentrations of MPA are directly proportional to the dose administered, with a dose-response relationship for MPA AUC of 0-12h of approximately 300:1 at 0.25 g/day and 1 g/day.

**Excretion**: Following oral and intravenous dosing, mycophenolate mofetil undergoes complete metabolism in the presence of food (see DOSAGE AND ADMINISTRATION).

**Adverse Effects**: Mycophenolate mofetil is known to cause several adverse effects, including:

- Increased risk of infection
- Gastrointestinal effects such as nausea, vomiting, and diarrhea
- Hematologic effects such as neutropenia, anemia, and thrombocytopenia
- Renal effects such as proteinuria and hypertension
- Gastrointestinal perforation

**Contraindications**: Mycophenolate mofetil should not be used in patients with a history of severe neutropenia, severe anemia, or severe thrombocytopenia. It should also not be used in patients who are allergic to mycophenolate mofetil or any of its ingredients.

**Special Populations**: The use of mycophenolate mofetil in special populations such as pregnant women, breastfeeding women, and children has not been studied adequately.

**Precautions**: Mycophenolate mofetil is contraindicated in the following situations:

- **Severe neutropenia**
- **Severe anemia**
- **Severe thrombocytopenia**
- **Allergic reaction to mycophenolate mofetil or any of its ingredients**

**Drug Interactions**: Mycophenolate mofetil may interact with a variety of other medications, including:

- Immunosuppressants
- Corticosteroids
- Antioxidants
- Antifungals

**Dosage and Administration**: The dosage and administration of mycophenolate mofetil should be determined by the healthcare provider and adjusted based on the patient's response and clinical status.

**Patient Counseling**: Patients should be counseled about the following:

- The importance of taking the medication as directed
- The need to report any adverse effects
- The importance of follow-up appointments

**References**: For more information, please refer to the referenced literature and guidelines.
Mycophenolate mofetil can cause serious side effects:

What are the possible side effects of mycophenolate mofetil?

- Some side effects of mycophenolate mofetil may cause problems when you take today's medicine:
- It may harm them.

What should I avoid while taking mycophenolate mofetil?

- Take mycophenolate mofetil exactly as prescribed.
- Do not change the dose unless your doctor tells you to.
- If you are taking a dose of mycophenolate mofetil, or any dose when you took your last dose, take the regular amount of mycophenolate mofetil today. If you are taking a 50% dose, see the medicine labels for a list of possible medicines that may change the dose.
- Some people may get mycophenolate mofetil soon after their digoxin injection is a white blood cell count is low. This is most important information I should know about mycophenolate mofetil.
- You can use while taking mycophenolate mofetil.

Mycophenolate mofetil can cause serious side effects:

- Some side effects of mycophenolate mofetil may cause problems when you take today's medicine:
- It may harm them.

What should I avoid while taking mycophenolate mofetil?

- Take mycophenolate mofetil exactly as prescribed.
- Do not change the dose unless your doctor tells you to.
- If you are taking a dose of mycophenolate mofetil, or any dose when you took your last dose, take the regular amount of mycophenolate mofetil today. If you are taking a 50% dose, see the medicine labels for a list of possible medicines that may change the dose.
- Some people may get mycophenolate mofetil soon after their digoxin injection is a white blood cell count is low. This is most important information I should know about mycophenolate mofetil.
- You can use while taking mycophenolate mofetil.

Mycophenolate mofetil can cause serious side effects:

- Some side effects of mycophenolate mofetil may cause problems when you take today's medicine:
- It may harm them.

What should I avoid while taking mycophenolate mofetil?

- Take mycophenolate mofetil exactly as prescribed.
- Do not change the dose unless your doctor tells you to.
- If you are taking a dose of mycophenolate mofetil, or any dose when you took your last dose, take the regular amount of mycophenolate mofetil today. If you are taking a 50% dose, see the medicine labels for a list of possible medicines that may change the dose.
- Some people may get mycophenolate mofetil soon after their digoxin injection is a white blood cell count is low. This is most important information I should know about mycophenolate mofetil.
- You can use while taking mycophenolate mofetil. 