

## SUMMARY

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- There are certain medications that inhibit iron absorption.
- Other medications are affected by iron.
- Certain medications cause Mean Corpuscular Volume greater than 100fL.

### Which medications inhibit iron absorption?

- **Proton Pump Inhibitors**
  - Omeprazole (Prilosec®)
  - Lansoprazole (Prevacid®)
  - Pantoprazole (Protonix®)
  - Esomeprazole (Nexium®)
  - Rabeprazole (Aciphex®)
- **Histamine-2 receptor antagonists (H2RAs) [H2 blockers]**
  - Famotidine (Pepci ®)
  - Cimetidine (Tagamet®)
  - Nizatidine (Axid®, Tazac®)
  - Ranitidine (Zantac®)
- **Calcium carbonate**
- **Calcium antacids**
- **Anti-inflammatory drugs**
  - Upadacitinib (Rinvoq®)
  - Turmeric/Curcumin
- **Antibiotics**
  - Tetracycline
  - Doxycycline
  - Ciprofloxacin

### Which medications are affected by iron?

- **Decreased absorption**
  - Tetracyclines
  - Quinolones
  - Angiotensin-converting enzyme (ACE) inhibitors
- **Reduced effectiveness**
  - Levothyroxine
  - Levodopa
  - Carbidopa

### Which medications cause Mean Corpuscular Volume (MCV) greater than 100fL?

Directly or indirectly interfere with Vitamin B12 or Folate absorption

- **Anticonvulsants**
  - Phenytoin
  - Primidone
  - Topiramate
  - Valproic acid
- **Anti-hyperglycemic agents**
  - Metformin
- **Anti-inflammatory drugs**
  - Sulfasalazine

# Medication Considerations



- **Antimicrobials**
  - Pyrimethamine
  - Sulfamethoxazole
  - Trimethoprim
- **Antiretrovirals**
  - Zidovudine
  - Stavudine
- **Antivirals**
  - Valacyclovir
- **Chemotherapeutics**
  - Cyclophosphamide
  - Hydroxyurea
  - Methotrexate
  - Azathioprine
  - Mercaptopurine
  - Cladribine
  - Cytosine arabinoside (Cytarabine®)
  - 5-Fluoruracil (5-FU®)
- **Diuretics**
  - Triamterene
- **Bone Health (Parathyroid hormone analog)**
  - Teriparatide (Forteo®)

## References

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