

SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES



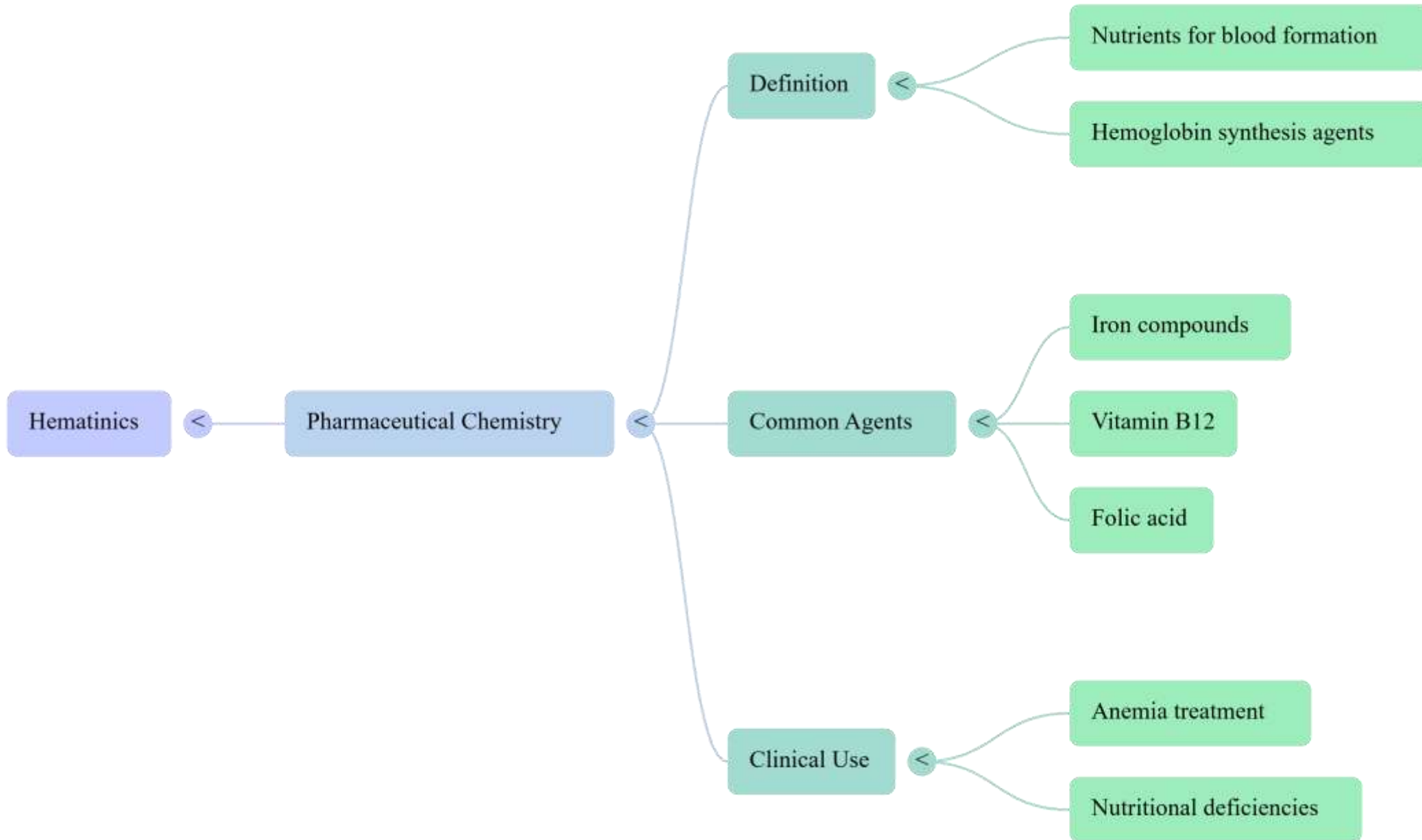
Affiliated To The Tamil Nadu Dr. MGR Medical University, Chennai
Approved by Pharmacy Council of India, New Delhi.
Coimbatore -641035

COURSE NAME: PHARMACEUTICAL CHEMISTRY

I YEAR D PHARM

TOPIC 15 : HAEMATINICS

Mind Map

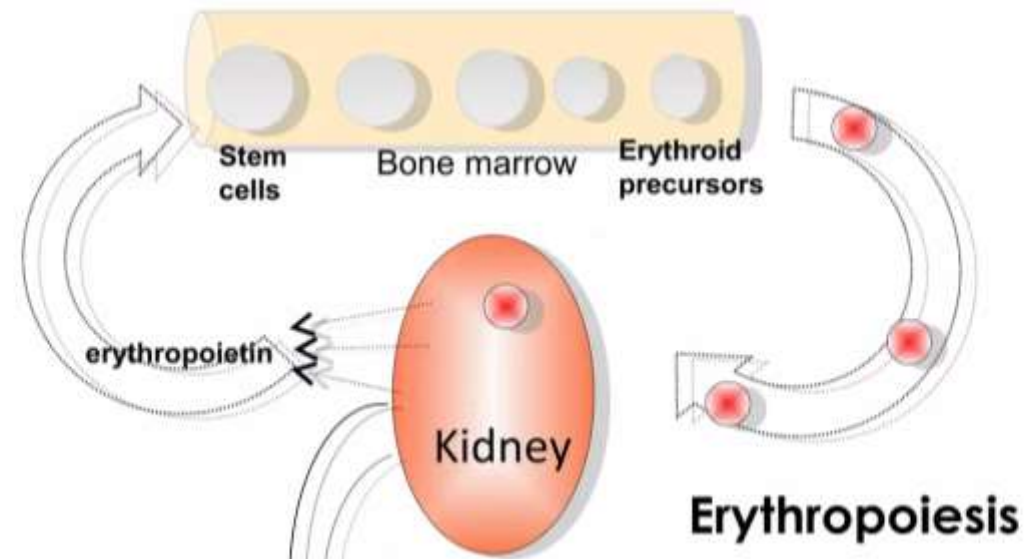


HAEMATINIC

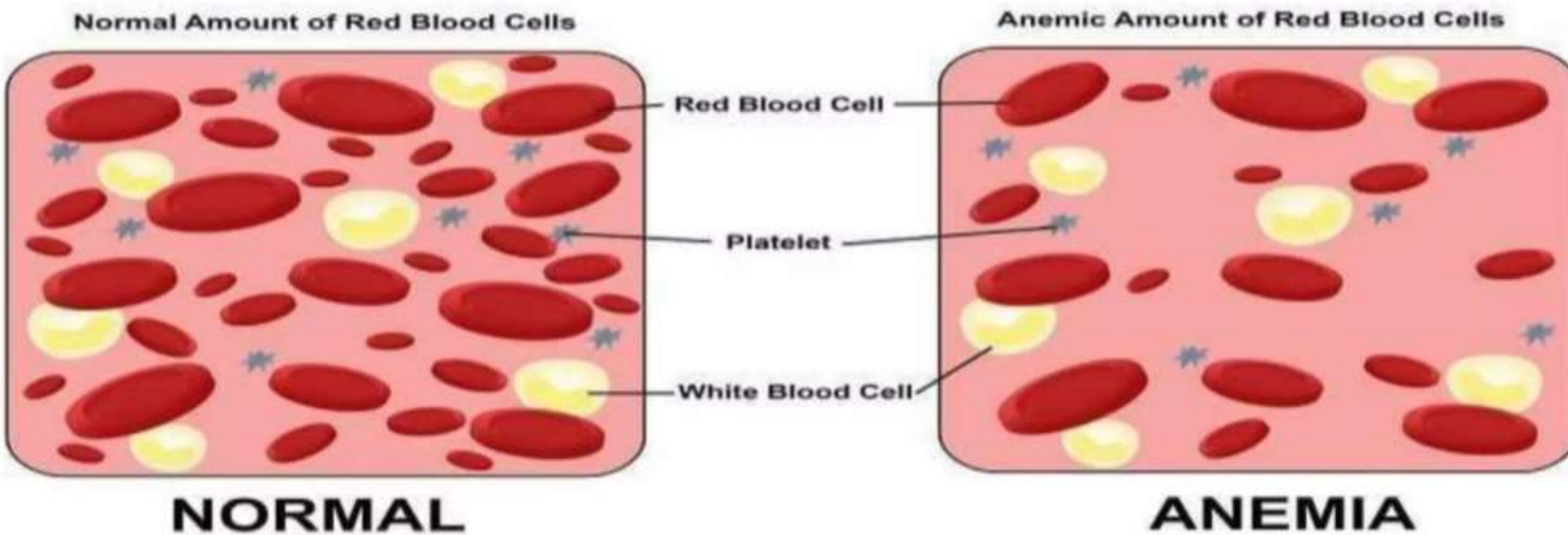
- Haematinic drugs available in combination with folic acid + zinc + vit.B12. in the form of tablet, capsule, syrup and suspension.
- Marketed preparation -



- Haematinics are substances required in the **formation of blood**, and are used for **treatment of anaemias**.
- **Hematopoiesis** : Production of circulating **erythrocytes, leukocytes and platelets from bone marrow stem cells**, is called hematopoiesis.



ANEMIA



DRUGS

1

Ferrous sulphate



3

Ferric ammonium citrate



4

Ferrous ascorbate



2

Ferrous Fumarate



5

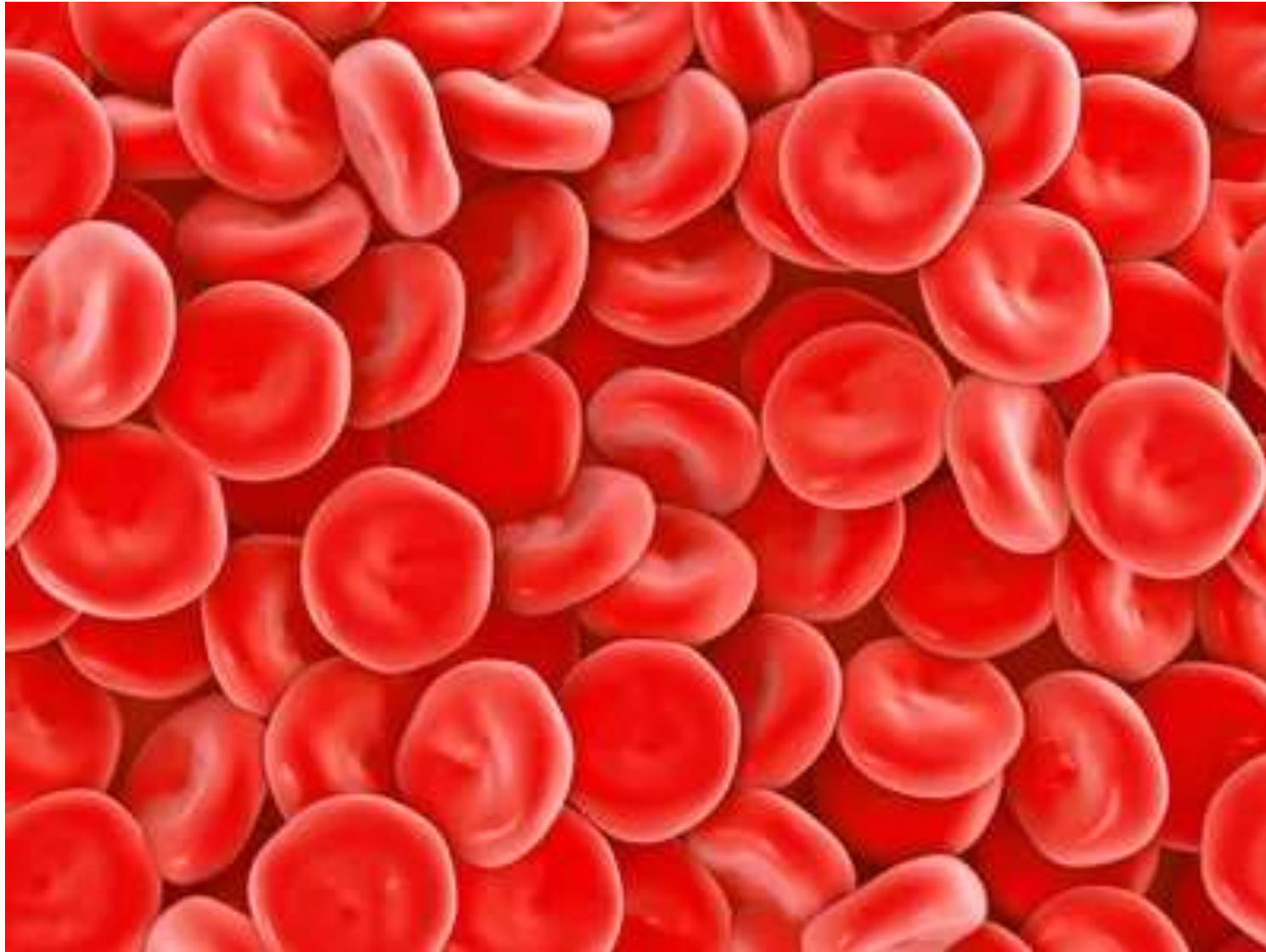
Carbonyl iron



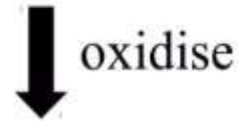








Iron enters in plasma in ferrous form



Immediately into ferric form



Complex with transferrin a carrier (glycoprotein)

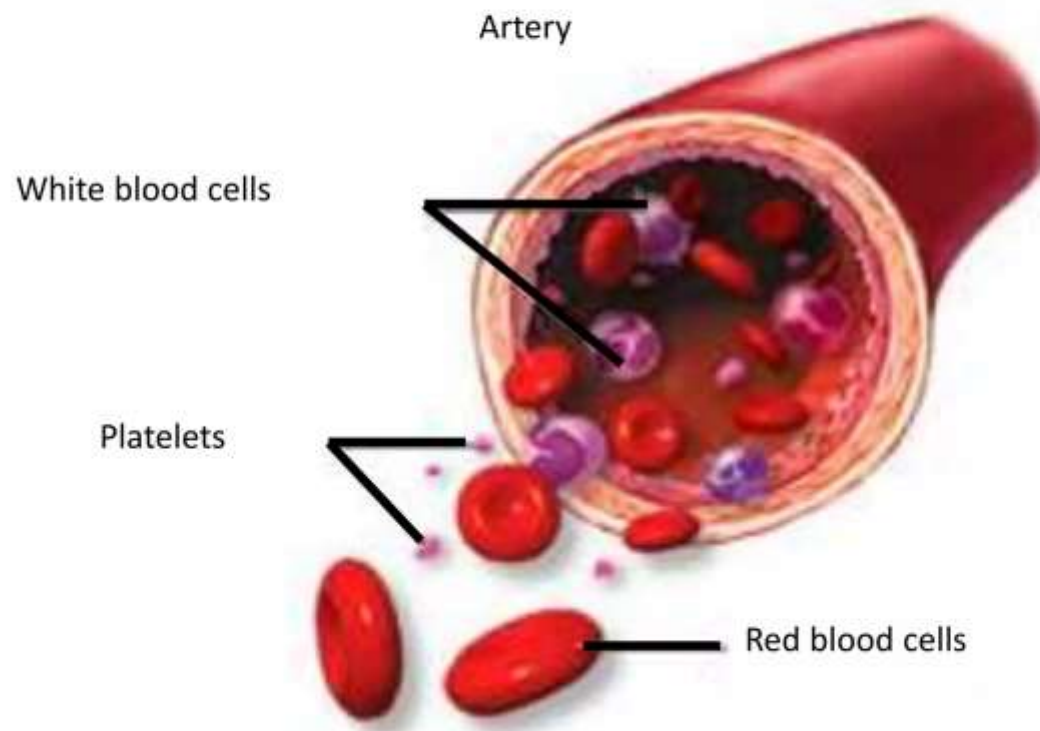


Storage in the mucosal cell
as **ferritin**



To the plasma

Blood





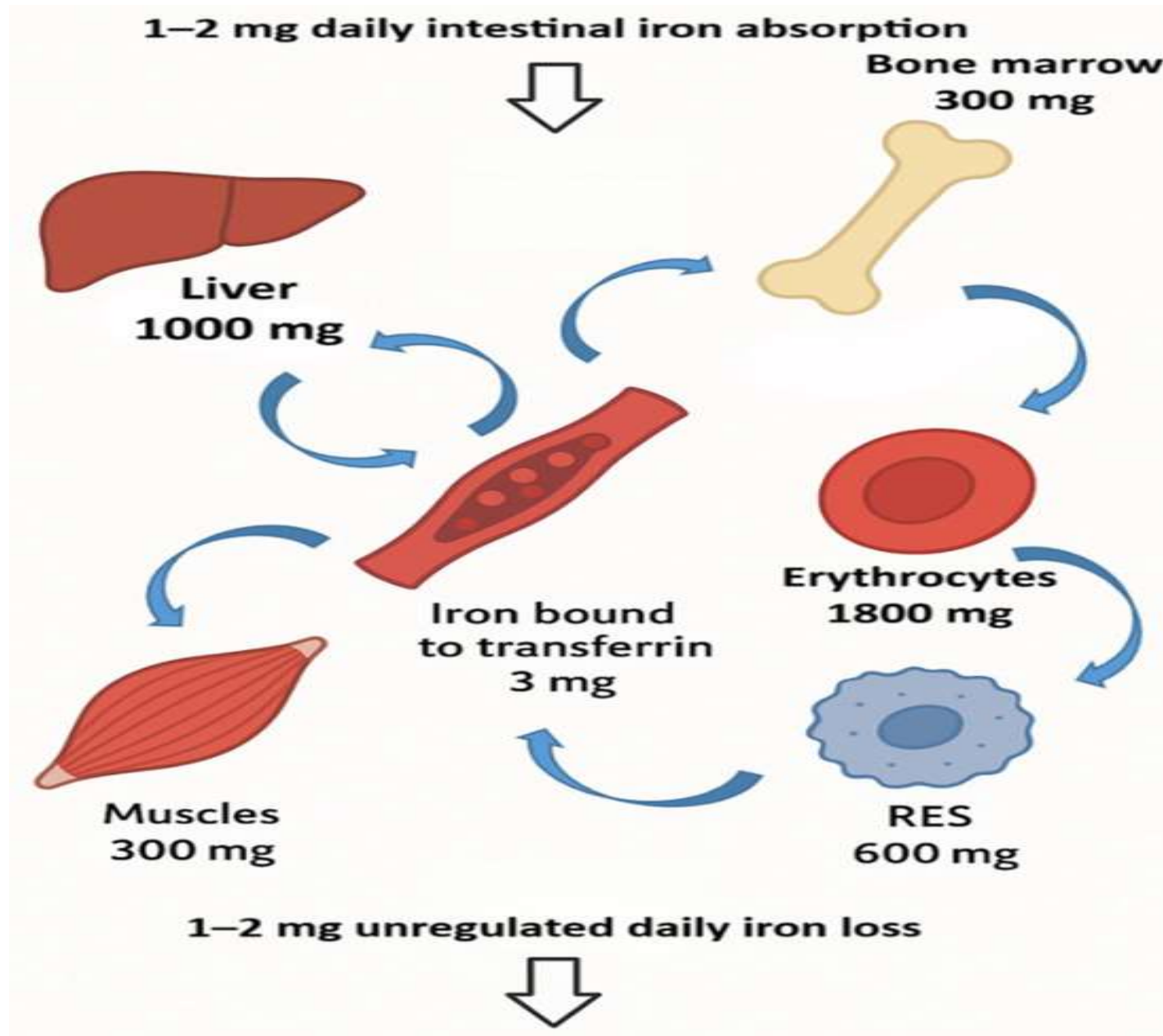


FERROUS GLUCONATE

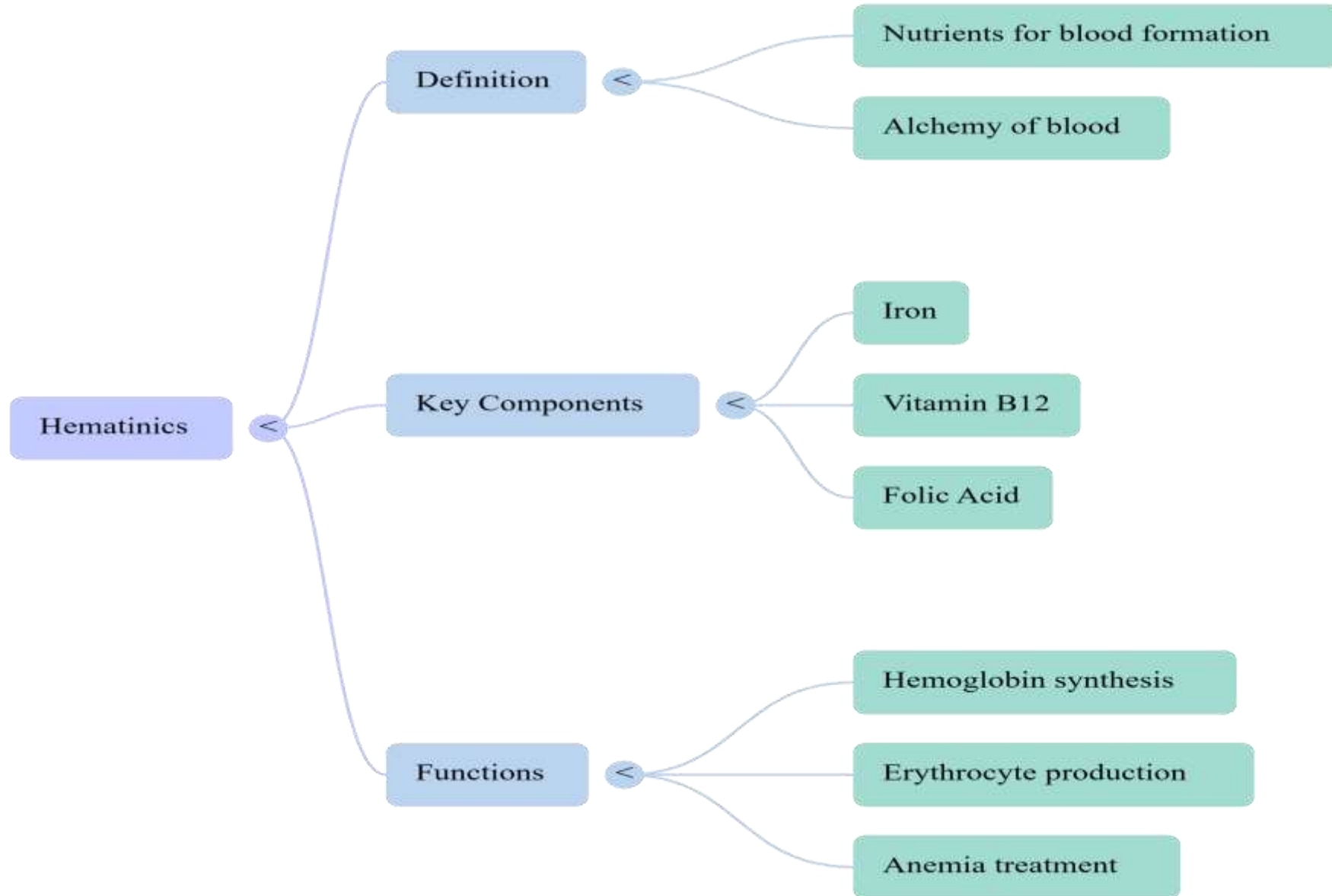
INTRODUCTION

Iron(II) gluconate, or ferrous gluconate, is a black compound often used as an iron supplement. It is the iron(II) salt of gluconic acid. It is marketed under brand names such as Fergon, Ferralet and Simron.





SUMMARY



ASSESSMENTS

1. Write classification on hematinics?



2. Name few drugs for anaemia used as oral dosage form?



3. Define hematinics?



REFERENCES

- ***Pharmaceutical Chemistry*** by **Kishor Jain & Deepali Kadam**: Includes a section on Haematinics in its curriculum.
- ***D.Pharma 1st Year Pharmaceutical Chemistry Ebook*** by **Udit Narayan Vishwakarma & Deepak Modanwal**: Covers syllabus topics with essential questions.
- ***Pharmaceutical Chemistry (First Year FY Diploma Pharmacy – PCI's ER 2020)*** by **Dr. K.R. Mahadik, Dr. B.S. Kuchekar, Dr. V.N. Jagtap**: Standard textbook for D.Pharm.
- ***Final Year Diploma in Pharmacy Pharmaceutical Chemistry II*** by **V.N. Rajasekaran**: Covers later year topics, often including blood-related agents.

Thank You