

The logo of Galgotias University is a stylized 'G' composed of three curved, overlapping bands in shades of yellow, blue, and red, set against a light pink circular background.

History of Transfusion medicine

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Syllabus Overview

	Number of Lecture Hours	8
Unit 1	History of transfusion medicine, RBC, WBC, Platelets-production, structure, functions & Life span. Hemoglobin structure function & degradation. Hemostasis, role of platelets, coagulation pathways, Fibrinolysis	

Course outcomes

- Define History of blood bank & mechanism of hemostasis, coagulation pathways and physiology of blood cells.

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Learning outcomes

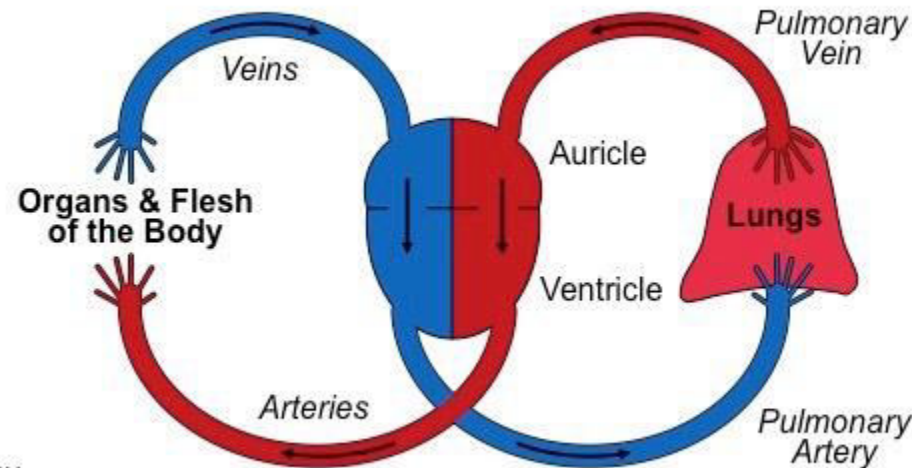
1	Understand History of Transfusion medicine
3	Understand the introduction of Blood Bank

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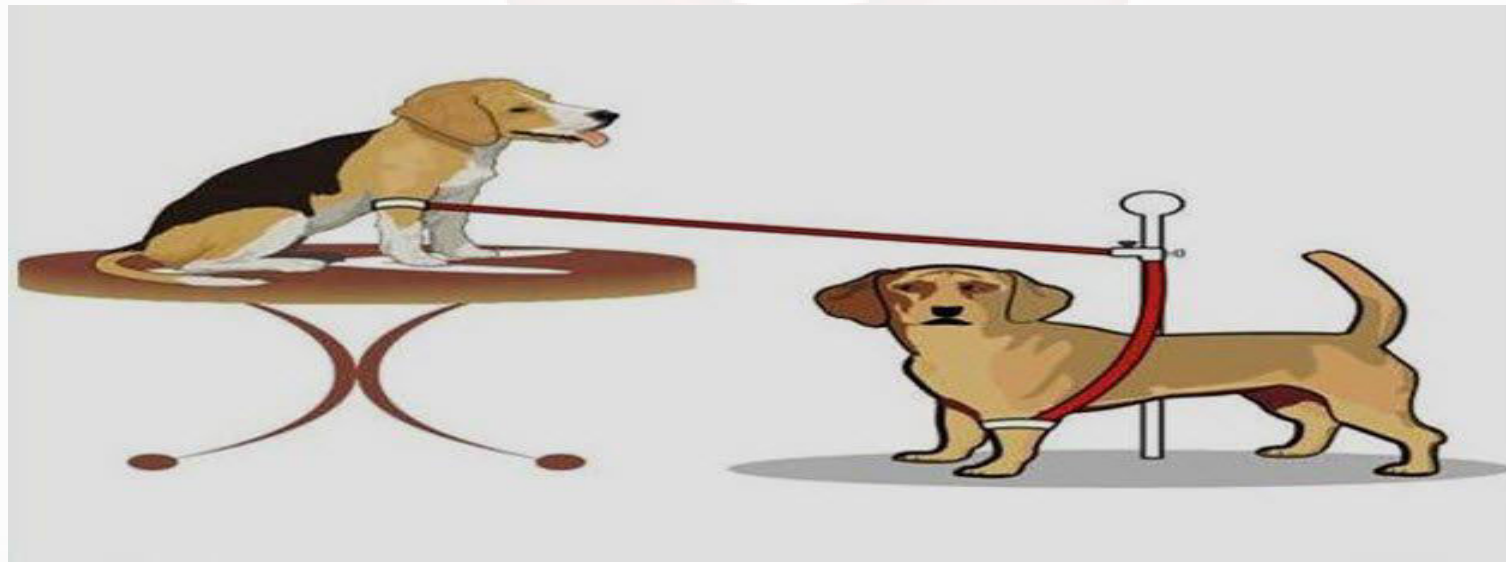
1628 William Harvey, English physician discovers blood circulation. The earliest recorded blood transfusion is attempted shortly afterwards.



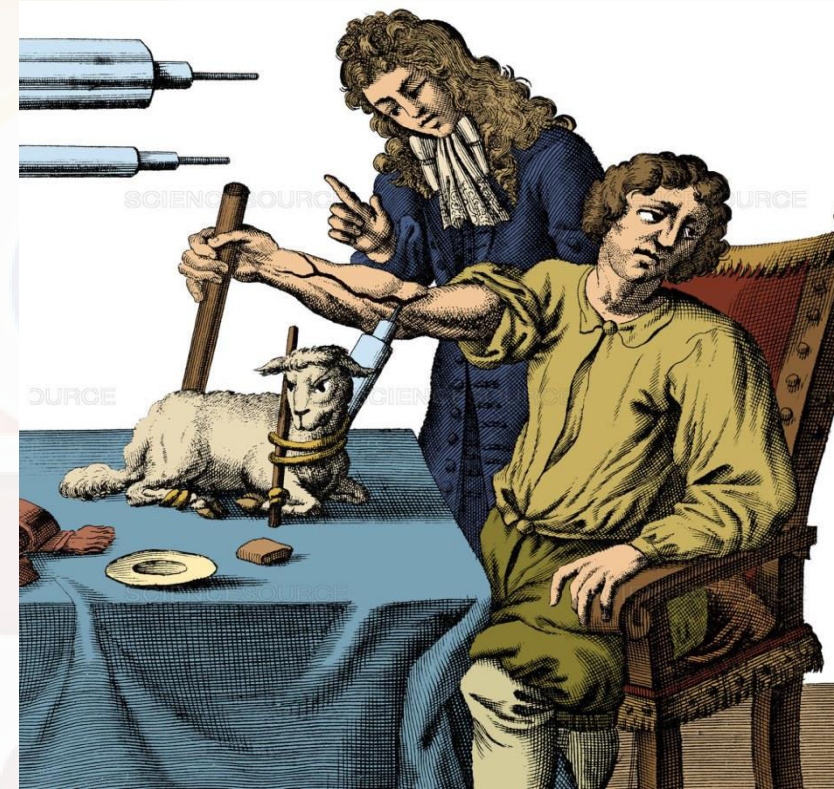
William Harvey



1665 The first successful blood transfusion recorded occurs in England: Physicist Richard Lower keeps dogs alive by blood transfusion from other dogs.



1667 Jean-Baptiste Denis in France and Richard Lower in England record good transfusions of lambs to humans separately. Owing to reactions, the transfusion of animal blood to humans becomes forbidden by law within 10 years.



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REFERENCES

- Mollison's Blood Transfusion in Clinical Medicine, 12th Edition by Harvey G. Klein.
- Medical Laboratory Technology by Mukherjee.
- Transfusion Science by Over field, Hamer.

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Thank you

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