

APPLIED ENTOMOLOGY AND PARASITOLOGY

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College of Science, King Saud University

Course details

Course title: Applied Entomology and Parasitology (ZOO 611)

Credit hours: 2 (2+0)

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Evaluation and assessment

	Activities	%
1	First midterm exam	30%
2	Assignments	20%
3	Presentation (project)	10%
4	Final Exam	40%
	Total	100%

25% absence from lectures (approximately 10 hrs.), student will be deprived from the course



Advanced economical and pathological survey of arthropods and other parasites. In addition, studies on: the arthropods of their economic importance, the pathogenesis of some diseases caused by or transmitted by arthropods, and the pathogenesis of some parasitic diseases of man and his domesticated animals.

Heinz Mehlhorn

Animal Parasites

Diagnosis, Treatment,
Prevention



 Springer

References

Yvonne Ai Lian Lim · Indra Vythilingam
Editors

Parasites and their vectors

A special focus on Southeast Asia

 Springer

Heinz Mehlhorn

Human Parasites

Diagnosis, Treatment,
Prevention



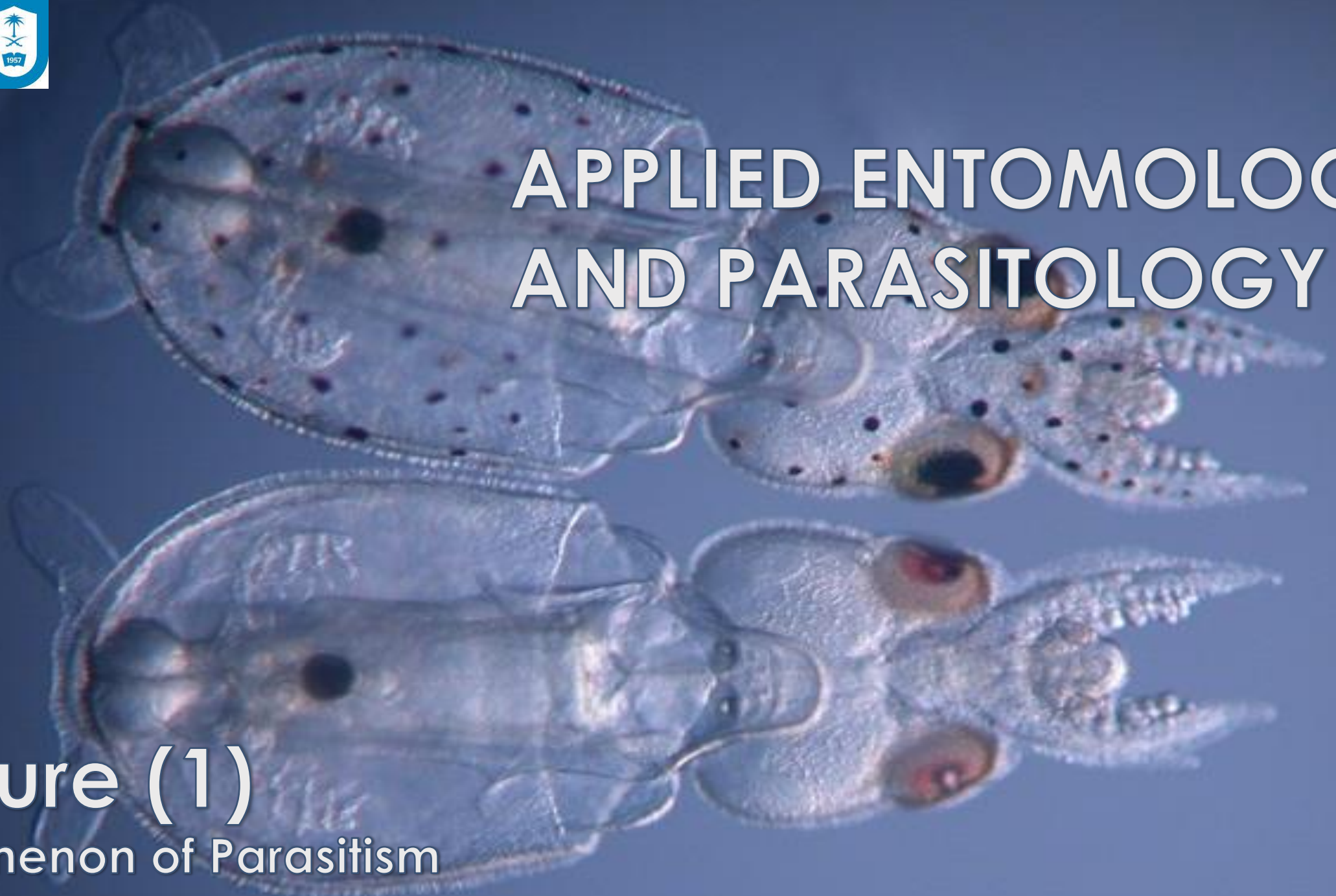
 Springer

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Lecture (1)

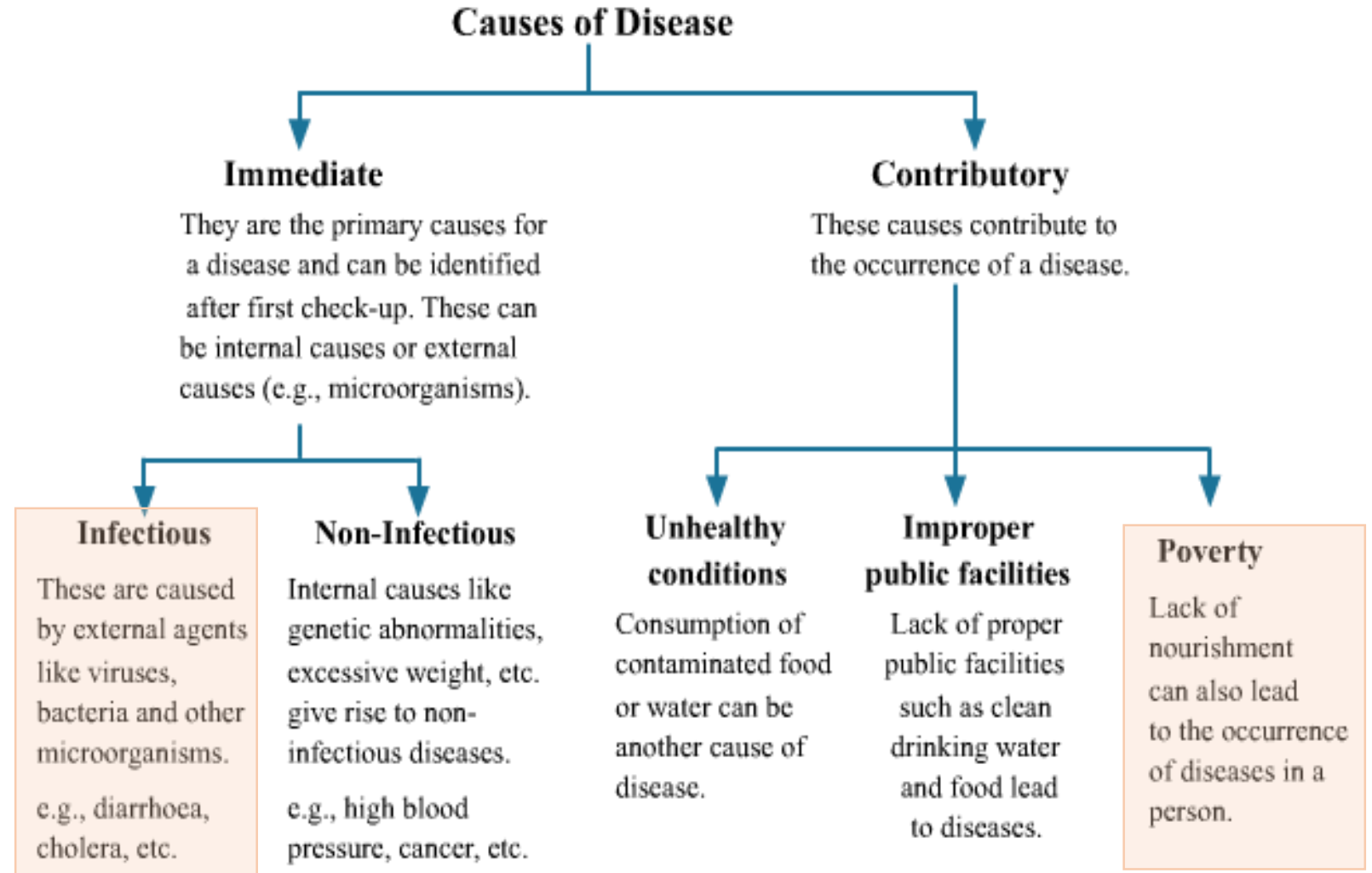
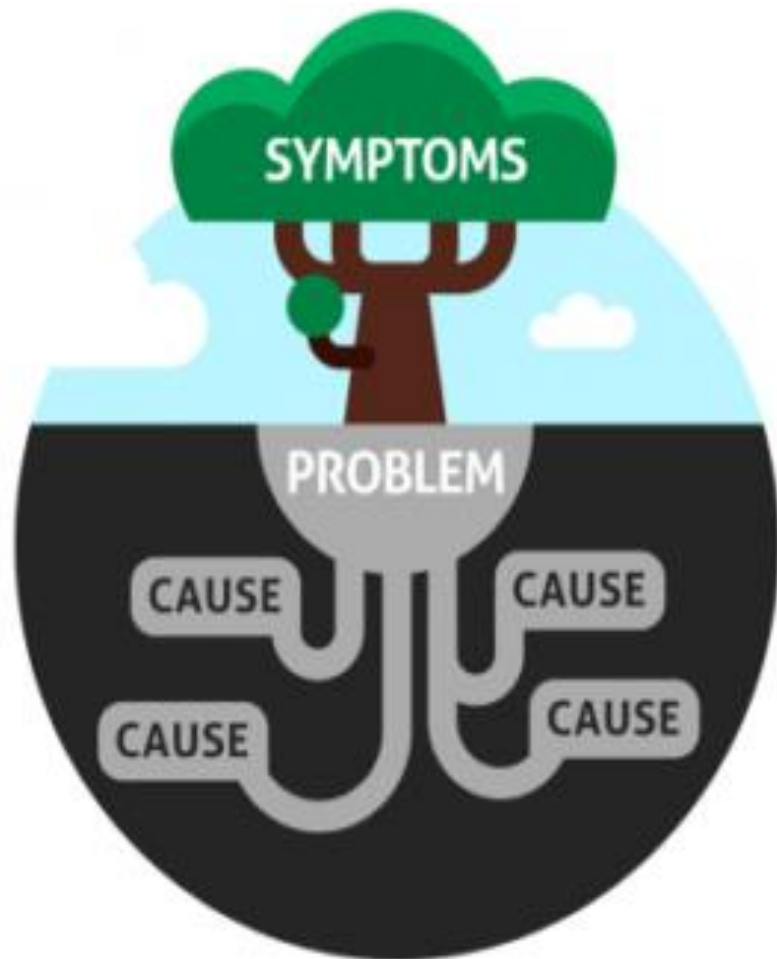
Phenomenon of Parasitism



DISEASE

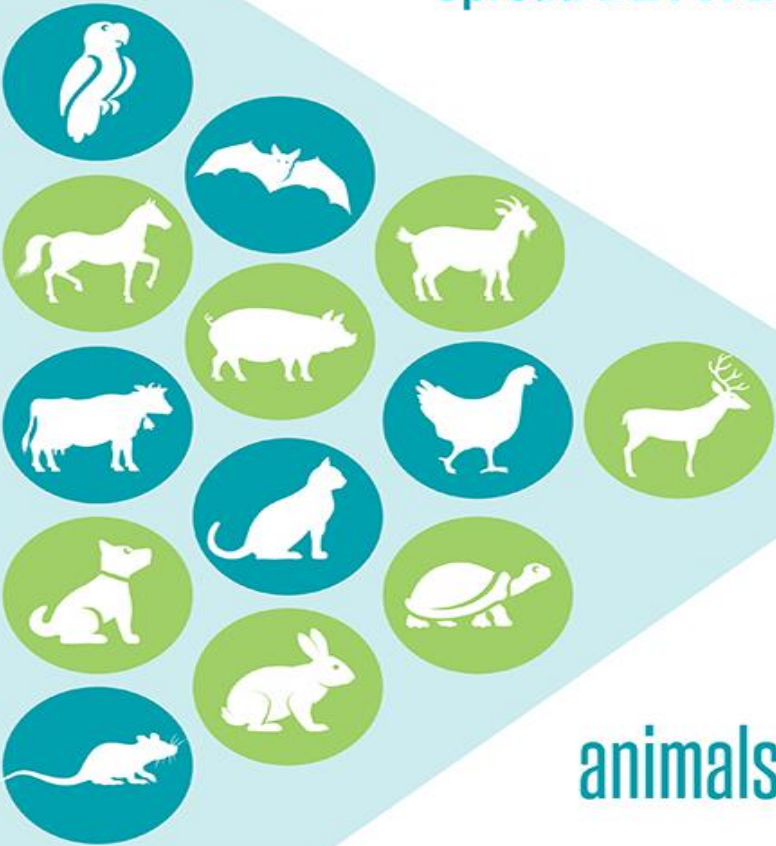


It is a disorder of structure or function in a human, animal, or plant, especially one that produces specific symptoms or that affects a specific location and is not simply a direct result of physical injury.

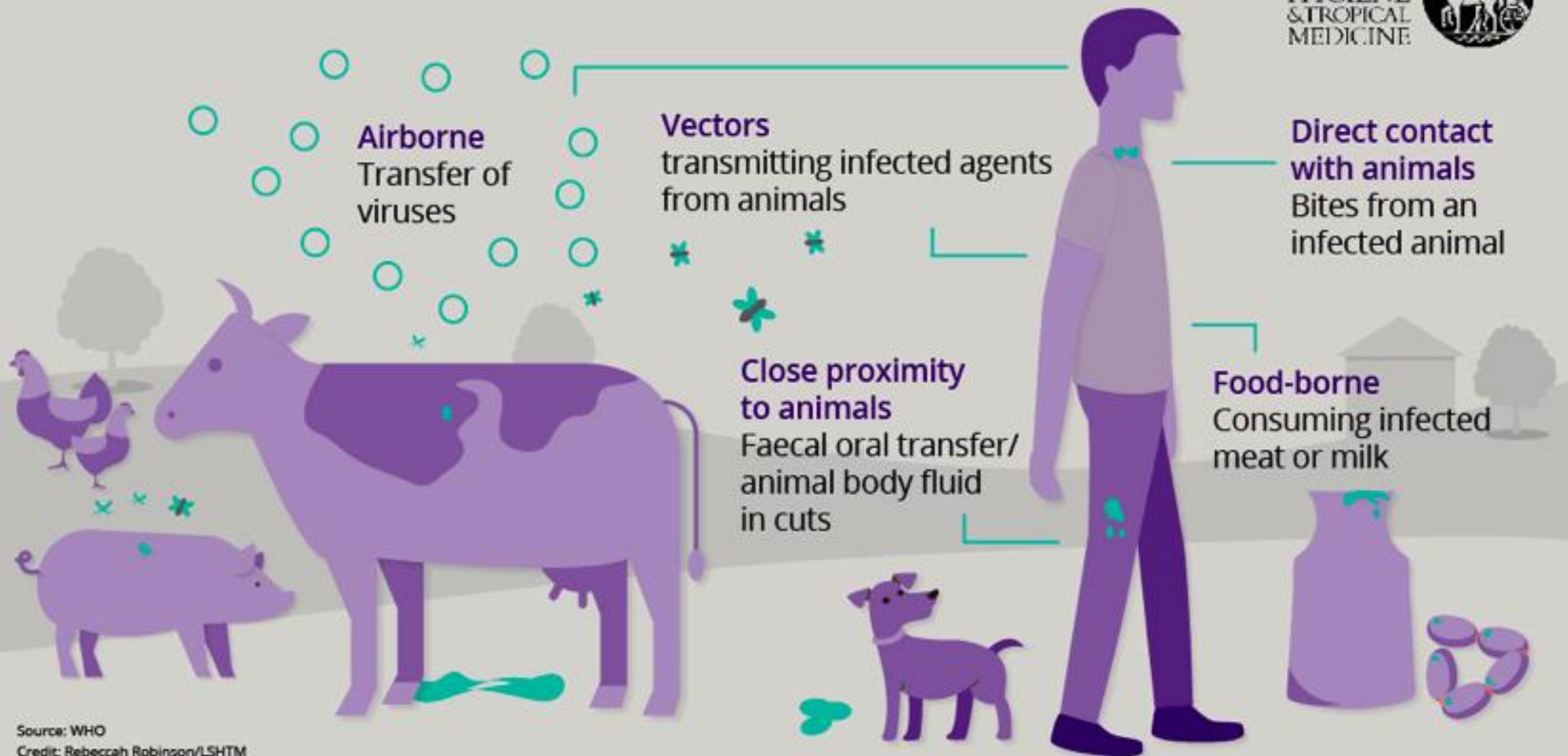


ZOO NOTIC DISEASES

spread BETWEEN animals and people

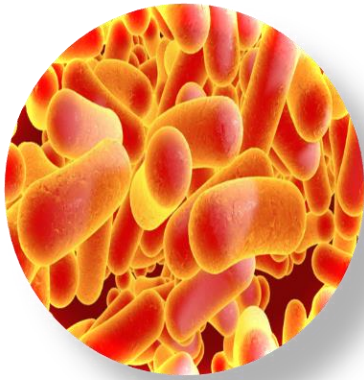


How zoonotic diseases are transmitted

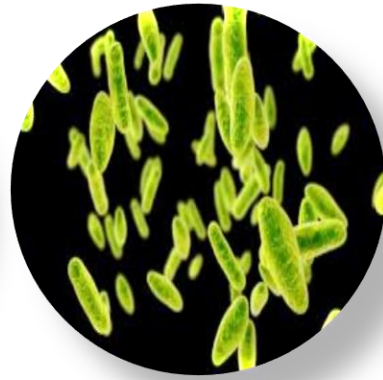


Endemic Infections in Saudi Arabia

Bacterial infections



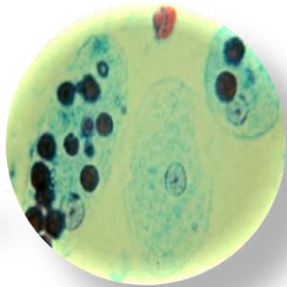
Typhoid fever



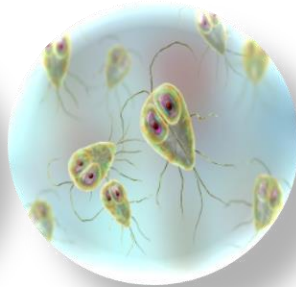
Brucellosis

"One Health provides a new synthesis for public health and veterinary communities, and is a platform on which to build partnerships with a broader range of disciplines to develop solutions for preventing and responding to zoonotic disease threats"

Parasitic infections



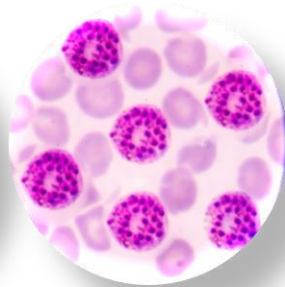
Amebiasis



Giardiasis



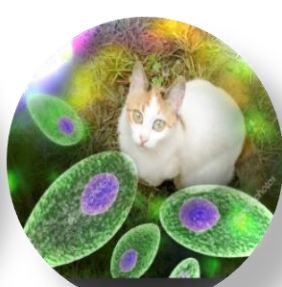
Leishmaniasis



Malaria



Scabies

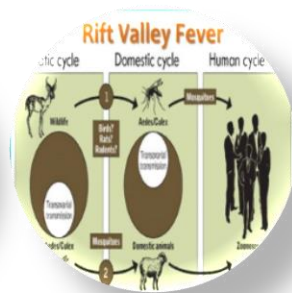


Toxoplasmosis

Viral infections



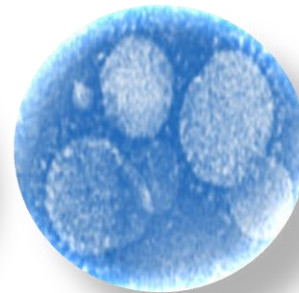
Dengue



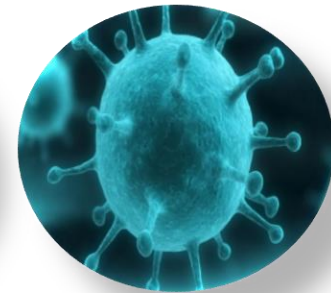
Rift Valley Fever



Rabies



MERS-CoV



Influenza



Alkhurma Hemorrhagic Fever

**Any
questions**

