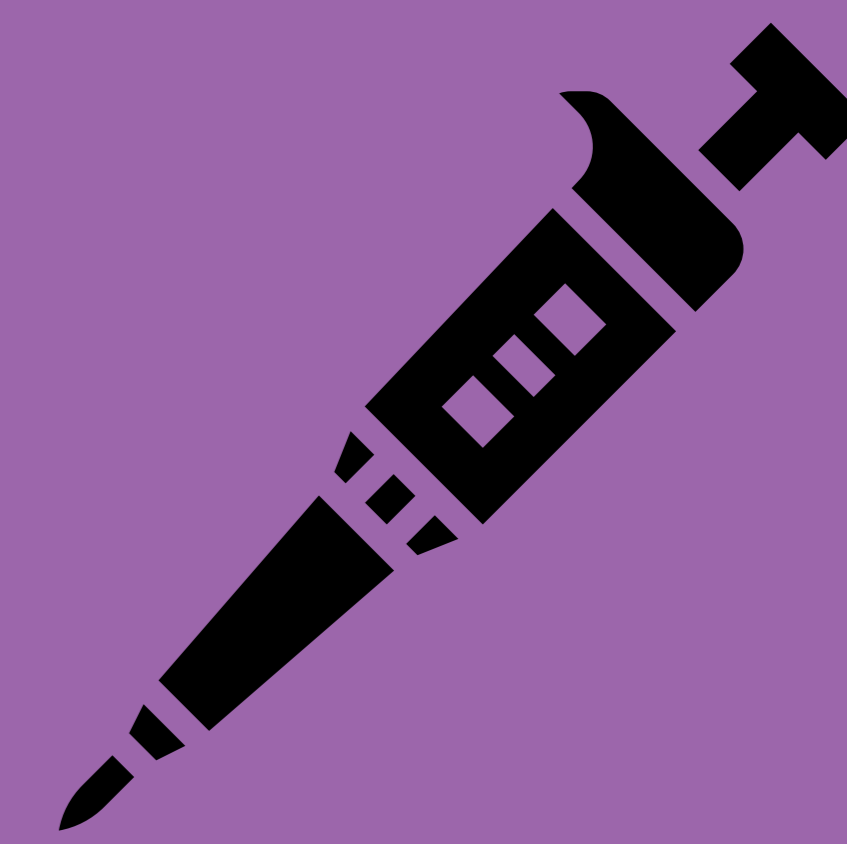


SALIVA AS A DIAGNOSTIC SAMPLE

IN VETERINARY MEDICINE



OBJECTIVES

- Determine the importance of saliva as a diagnostic sample
- Review of saliva applications in different diagnostic areas
- Assess the importance in different animal species and future prospects

PROS & CONS

Non-invasive and painless

Easy to collect method

Lower analyte concentration

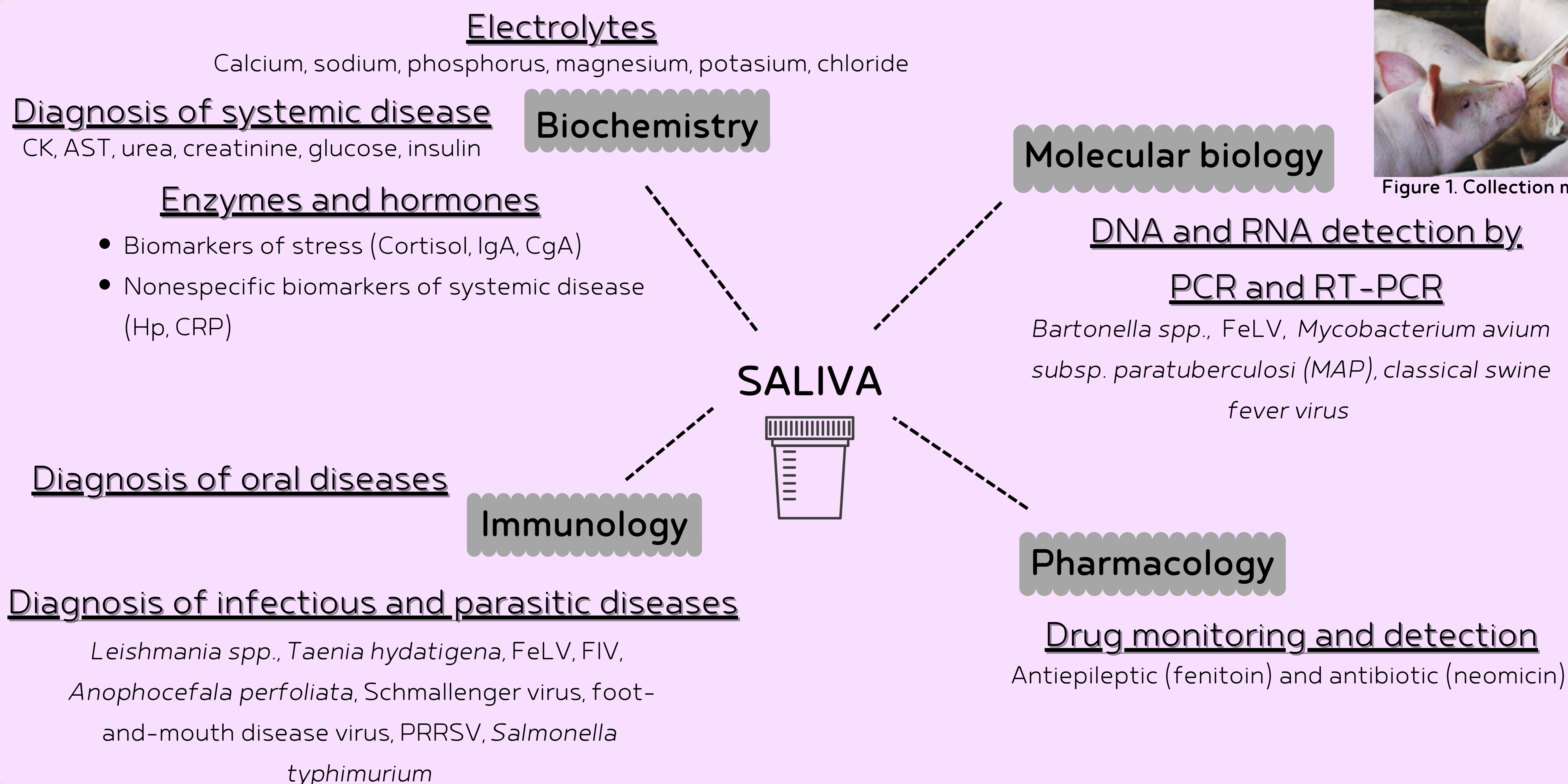
Influence of the collection method

Diluted samples = false negatives

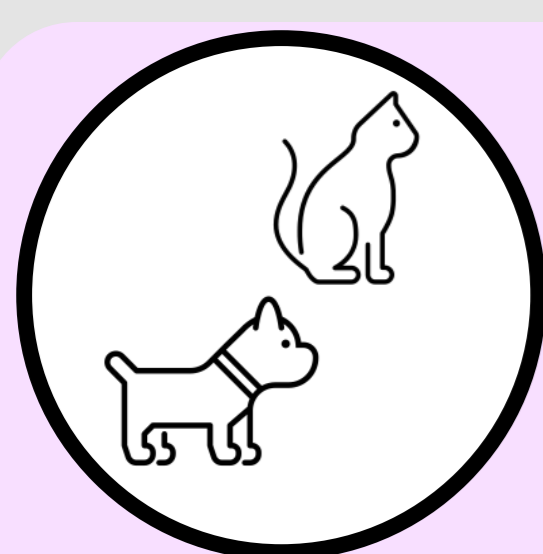
Ignorance of how intrinsic and extrinsic factors influence

Food interferences

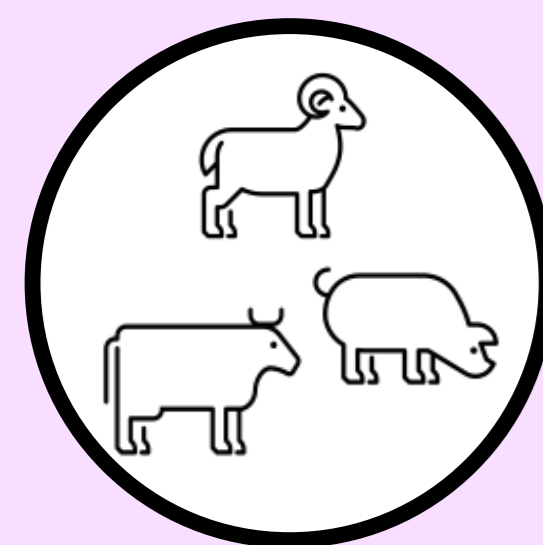
DIAGNOSTIC AREAS



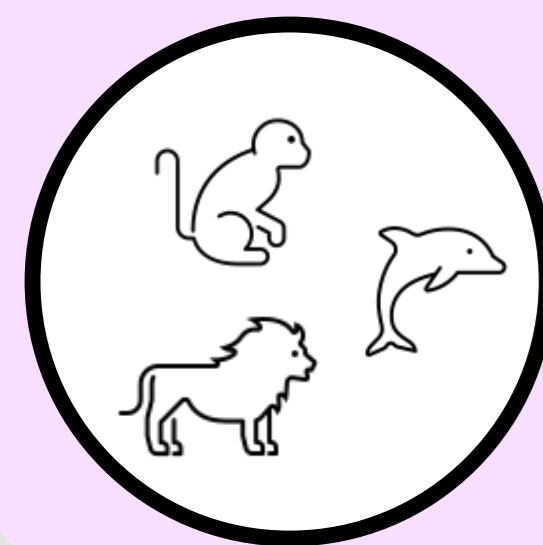
APPLICATIONS



Biomarkers of systemic, infectious disease and drug monitoring



Biomarkers of stress (animal welfare) and health control



Biomarkers of stress (animal welfare), disease surveillance and enzymatic studies

CONCLUSIONS

- Great potential but lack of standardized protocols
- Lots of possible analytes to determine
- Clinical, research and epidemiological applications
- Useful in difficult-to-handle animals
- Current topic in research
- Not currently used routinely, more research is needed