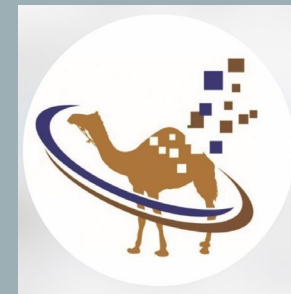


STUDY ON ANATOMICAL STRUCTURES OF THE DROMEDARY UDDER

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MATERIALS AND METHODS

- A total of 86 Dromedary Udder from:
 - Dead or euthanized animals
 - Abattoir
 - Living lactating animals

MATERIALS AND METHODS

- Visual Assessment of the udder
- Three udder shapes occurred:
 - pendulous udder
 - pear udder
 - globular udder
- Three types of teats:
 - blown-up teat
 - cylindrical teat
 - funnel teat
- Four shapes of the tip of the teat:
 - no ring teat,
 - smooth or slightly rough ring teat
 - rough ring teat
 - very rough ring teat



MATERIALS AND METHODS

- Injection casts with
 - Resin
 - Gelatin
 - Paraffin



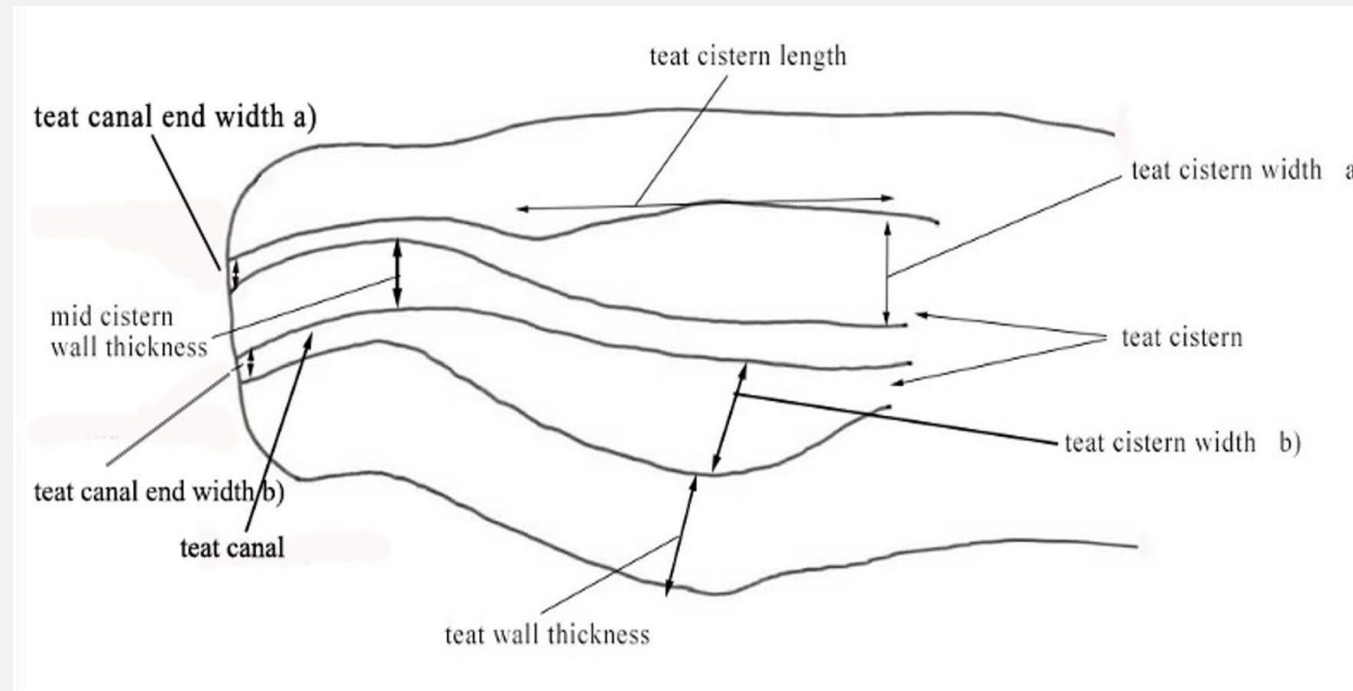
MATERIALS AND METHODS

- Ultrasonography
 - 49 udders from slaughtered animals
 - 11 lactating dromedaries



MATERIALS AND METHODS

- Measurement parameters of the ultrasonographic examination



MATERIALS AND METHODS

- Endoscopy
 - 12 randomly selected udders of the 49 slaughterhouse udders
 - Examination of the teat cistern and transition into the teat canals

MATERIALS AND METHODS

- Radiography
 - 11 randomly selected udders of the 49 slaughterhouse udders



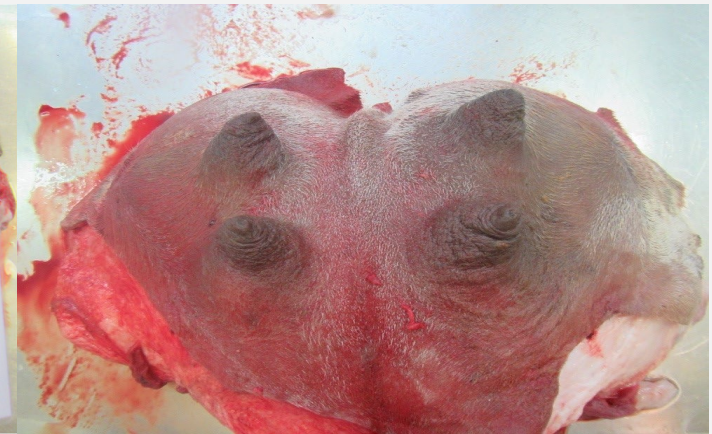
RESULTS

Udder Forms	Pendulous Udder	Pear Udder	Globular Udder	Juvenil
Necropsy	5	6	10	5
Living animals	1	6	4	
Abattoir	9	12	28	
Total number/Percentage	15/17.4%	24/27.9%	42/48.8%	5/5.8%



RESULTS

• Teat Forms	Blown-Up Teat	Cylindrical Teat	Funnel Teat
Necropsy	3	14	9
Living animal	2	6	3
Abattoir	10	12	27
Total number/Percentage	15/17.4%	32/37.2%	39/45.3%



RESULTS

• Teat tip shape	No Ring Teat	Smooth or Slightly Rough Ring Teat	Rough Ring Teat	Very Rough Ring Teat
Necropsy	1	17	6	2
Living animal	0	11	0	0
Abattoir	0	25	19	5
Total number/Percentage	1/1.16%	53/61.6%	25/29.1%	7/8.1%



RESULTS

- Paraffin injection cast



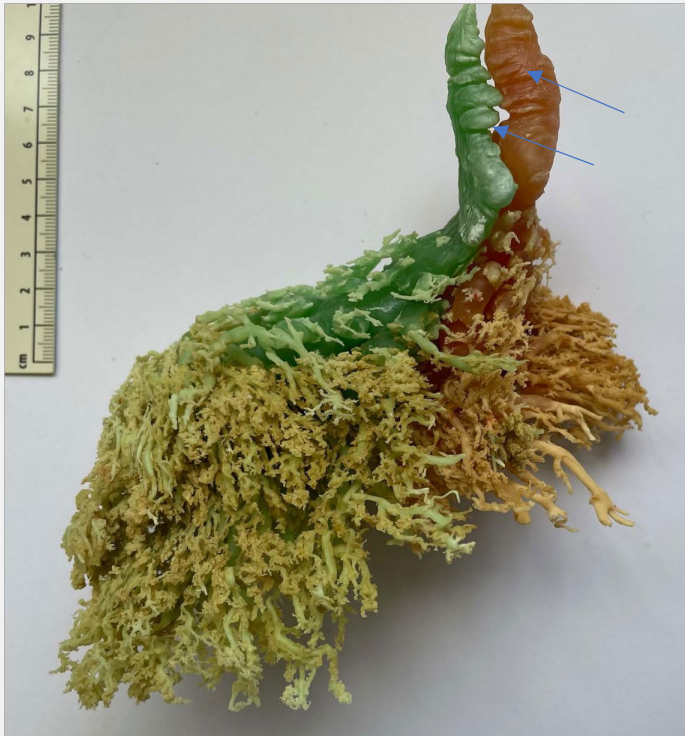
RESULTS

- Gelatin injection cast



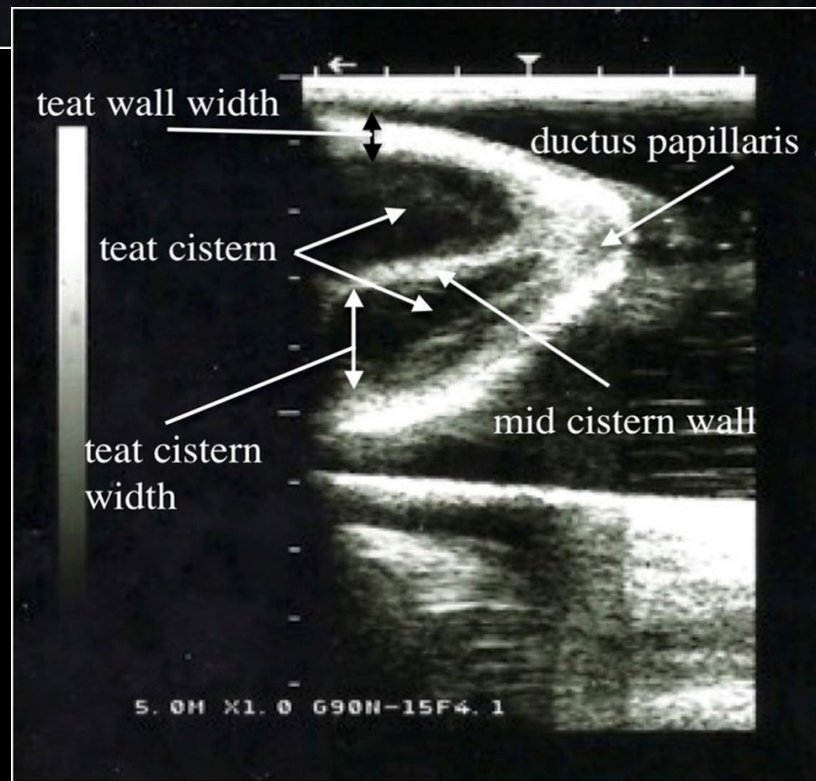
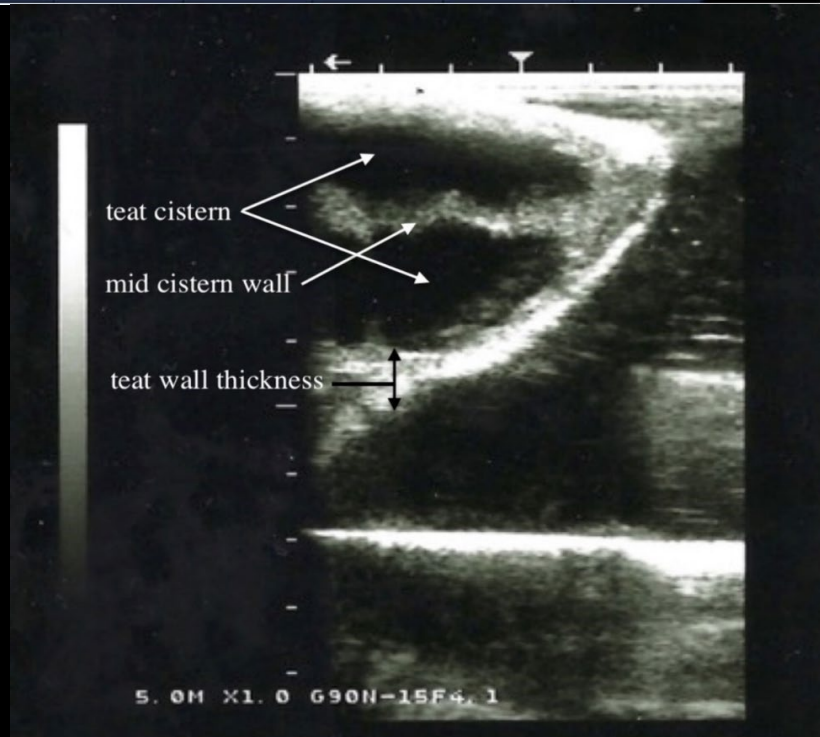
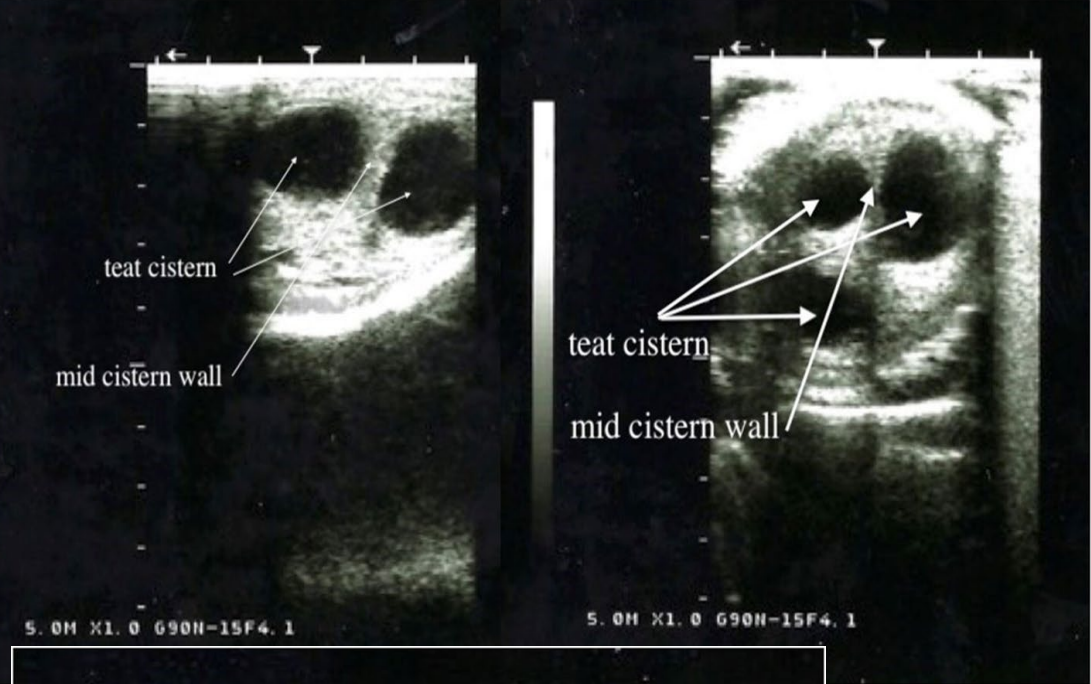
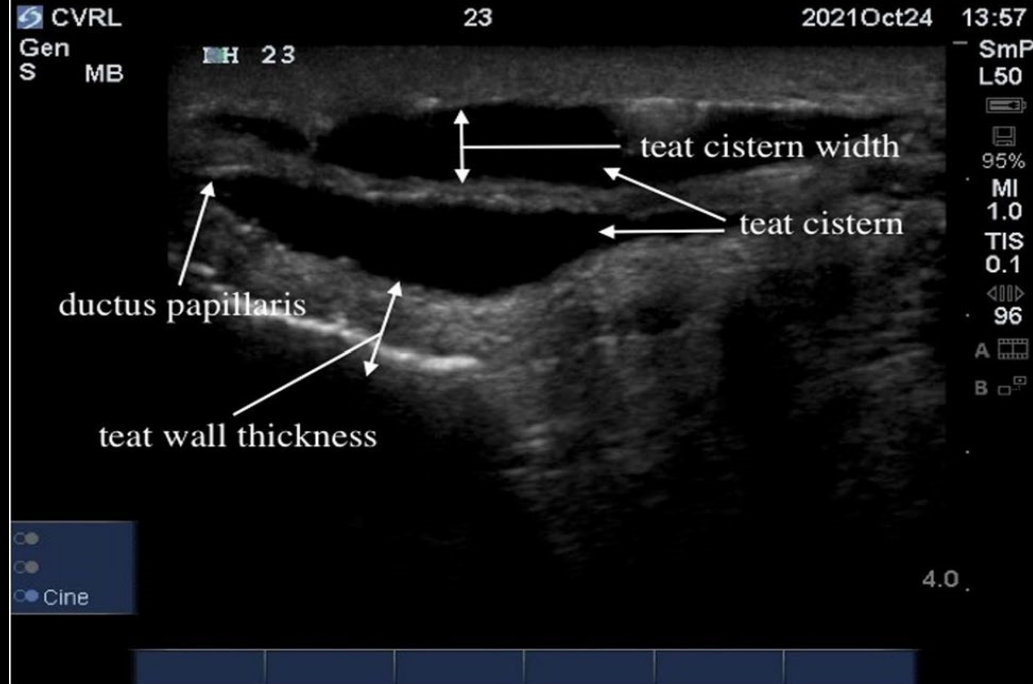
RESULTS

- Resin injection cast



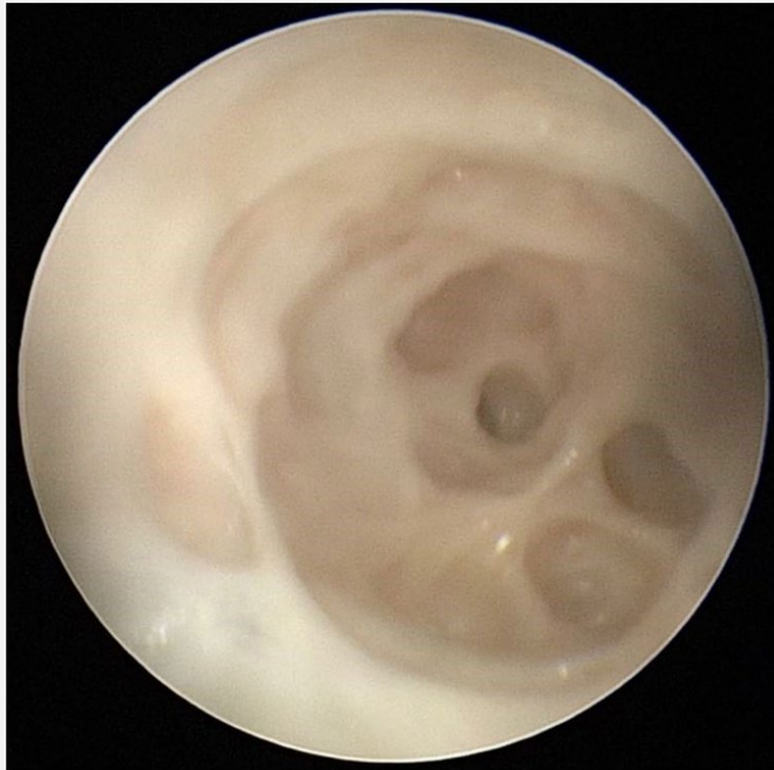
RESULTS

- Ultrasonographic examination



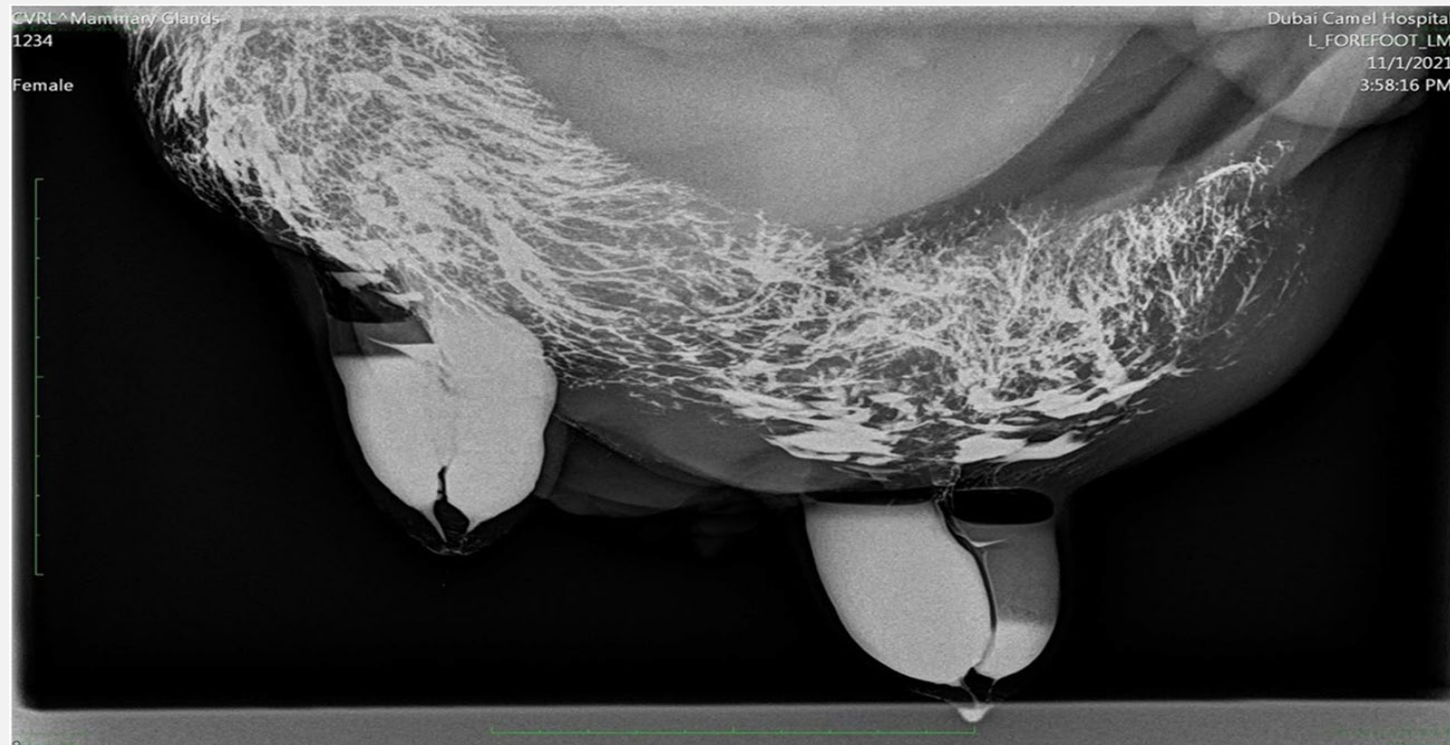
RESULTS

- Endoscopic examination



RESULTS

- Radiographic examination



REFERENCES

- Ultrasonographic, endoscopic and radiographic examinations of the dromedary mammary glands and teats
 - Müller, A.; Wernery, U.; Kinne, J.; Nagy, P.; Juhasz, J.; de Bont, M.; Booth, C.; Azmanis, P.; Wittek, T.; *Tropical Animal Health and Production* 2024, 56:180
- Study on Anatomical Structures of the Dromedary Udder
 - Müller, A.; Wernery, U.; Kinne, J.; Nagy, P.; Juhasz, J.; Appelt, A.; Wittek, T.; *Animals* 2024, 14, 1674



THANK YOU
FOR YOUR
ATTENTION

