

PATHOLOGY TRAINING FOR ELEPHANT VETERINARIANS, MANAGERS, AND FOREST POLICE IN MYANMAR



Khyne U Mar, Dalen W. Agnew, Willem Schaftenaar,
Tint Naint, Susan Mikota

ELEPHANT CARE











TOPICS

- Status of elephants in Myanmar
- Why a pathology workshop?
- Aims of the workshop
- Challenges
- Acknowledgements



USE OF CAPTIVE ELEPHANTS IN MYANMAR

- > 5500 elephants largest captive population in the world
- Traditional uses
 - Ceremonies / processions
 - Draught; Transport







USE AS TIMBER ELEPHANTS IN LOGGING

- Mostly used in logging
- Timber export ban 2013
- Logging bans →
- † use in tourism



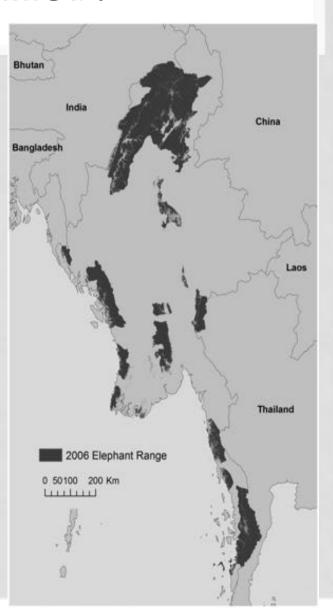


Photo MTE

WILD ELEPHANT POPULATION

- No recent data
- Estimated population 1,430–
 2,065 today (Sampson et al 2019, PLoS)
- 8 main ranges





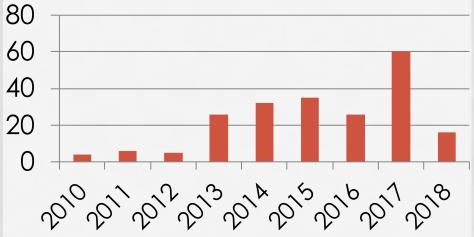
POACHING CRISIS











Photos credit Elephant Family

BURNING OF CARCASS IS A COMMON PRACTICE



WHY A PATHOLOGY WORKSHOP?

- Understanding and documenting why wild elephants die is critical to helping survival of living elephants (and vise versa)
- Limited pathology training in Asian elephant range countries
- More information is needed to tackle emerging diseases in elephants



Photo credit: MTE



Photo credit: Elephant Family

WORKSHOP AIMS

- Train and equip Myanmar elephant veterinarians
- Prevent transmission of emerging diseases
- Mitigate poaching crisis
- Improve captive elephant care
- Develop a pathology course template

Dr. Khyne U Mar addresses the group about the importance of pathology.



ABOUT THE WORKSHOP

- Two consecutive sessions
- 21 lectures
- PM demonstration
- Hands-on labs
- 20 participants trained







SELECTED TOPICS

- Basic PM procedure
- Sample collection
- PPE
- Respiratory system
- Reproductive system
- Cardiovascular system
- · And more...

http://elephantcare.org/resources/ pathology/





HANDS-ON LAB









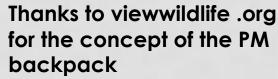
PM BACKPACKS













CHALLENGES

- Funding
- Language / translation
- Interagency communication





Dr. Kyaw Yan Naing Tun - one of our dedicated translators

Dr. Tint Naing volunteered to help translate and assist in teaching the wetlabs.

FORMALIN CRISIS!

 Only 40% formalin available in Myanmar!





DR. Agnew explains how to prepare NBF

WE ARE ON STATE TV



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- Veterinarians International (USA)



Michigan State University (USA)



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- *Myanma Timber Enterprise
- Ministry of Natural Resources and Environmental Conservation (MONREC)

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THANK-YOU FOR YOUR ATTENTION!

Any Questions?

