RABIES IN ANGOLA: A ONE HEALTH APPROACH

Patrizia Parodi¹, Telma Diogo², Samo Daniel³, Paola Di Giuseppe¹, Ercole del Negro¹ and Massimo Scacchia¹

Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise de l'Abruzzo e del Molise de l'A



abies is one of the oldest recognized diseases already known by Aristotle in the IV century BC. In Angola, rabies has been introduced among domestic dogs during the 1940s: at present is a notifiable disease and its main vector is the domestic dog (King AA et al, 2004; Nel L et al, 2009; WHO, 2014).

Rabies is considered a neglected disease linked to poverty. It is caused by four genotypes of the lyssavirus, the most common being Genotype 1 (Rabies virus, RABV) which causes the highest number of human infections (WHO, 2014).

The World Organisation for Animal Health (OIE) reports that each

year rabies kills around 70,000 people worldwide. Africa accounts for about 24,000 deaths per year but real rabies incidence is at least 100 times higher than officially reported (OIE, 2015).

Angola notifies each year around 100 cases of human rabies

ngola is divided into 18 provinces and in 161 municipalities. In one of province, the Istituto Zooprofilattico Sper mentale dell'Abruzzo e del Molise "G. Capo rale" (IZSAM), started the project "Zoonoses Prevention: Integrated Project on Public Health" (PISP) whose objective is the improvement of public health through the de-crease of zoonoses and food-borne diseases (Daniel S. *et al*, 2015). Rabies is widespread in Huila province, and human cases are notified each year in most of the Municipalities. Animal vaccination campaigns are implemented regularly, but shortage of vac-cine hampers their effectiveness.

Environment plays a key role in influenc-ing the size of dog population, as garbage non source of food both for stray

t national level, an Interministerial Commission for the implementation of the contingency and emergency plan inst rables was created in 2008. The con coordinated by the Minister of Agriculture and incorporates the Ministers of Health, Territorial Administration, Interior, Social Communication, and Finance. In Huila province, the PISP project supports the intersectoral collaboration of Public Health and Veterinary Services, through the organization of joint meetings, training activities and health education materials. During these meetings data are shared, constrains are discussed and common



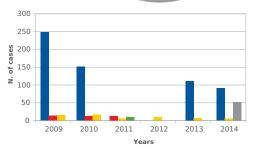
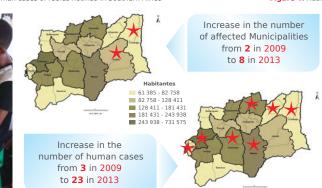


Figure 4. Rabies vaccination in animals - Huila province (2009-2015)



ue to the impressing proportion of children affected by rabies and animal bites, health education materials were especially designed for schoolchildren. The in-

During intersectoral meetings it was decided to implement a more comprehensive

- strategy which includes: improvement of surveillance and data sharing
- involvement of community services in all prevention activities, including dogs
- capture and garbage disposal health education at school
- · better vaccine conservation during animal vaccination campaigns

References

King AA, Fooks AR, Aubert M, and Wandeler AI (editors) 2004. Historical Perspective of Rabies in Europe and the Mediterranean Basin. OIE (World organization for animal health), Paris, France, 361 pp.
Nel L, Le Roux K, and Attas R 2009. Meeting the rabies Control Challenge in South

mordeu para sua observação

Figure 5. Poster on rabies prevention

RABIES ONE HEALTH SITUATION IN NAMIBIA

Juliet Kabajani¹, Siegfried Khaiseb¹, Umberto Molini¹, Ercole Del Negro², Laura De Antoniis², Patrizia Colangeli², Massimo Scacchia²

¹ Central Veterinary Laboratory, Windhoek, Namibia ² Istituto Zooprofilattico Sperimntale dell'Abruzzo e del Molise "G. Caporale", Teramo, Italy



The disease appears in two major clusters in Namibia (Figure 2): the first is located in the Northern Communal Area (NCA) with the characteristics of urban rabies and is driven by

Human Rabies in country is not uniformly coordinated. As such, implementation of the Rabies control strategy is earmarked for these regions first. Rabies in dogs can only be reduced and controlled if monthly vaccination programmes are introduced. Rabies in humans is framework for managing rabies in Namibia. of urban rabies and is driven by in the world, and is the result the dog population, so-called of exposure to a virus usually only be done through prompt only be done through the done through prompt only be done through the done throug Canine Rabies.

Fence (VCF) is among the kudu that when it comes to human 3) was developed by the MAWF- animals in a sustainable way.

different animal species such as dogs, cattle, goats, kudus, eland, jackal, humans etc. (Figures 1,7,8).

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There is an urgent need to improve the current intervention in the control of rabies in rural areas where there are no proper facilities to deal with the disease.

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abies is a notifiable dis- (antelope) and it is called Kudu life, children and cattle herders DVS, in closer consultation with ease in Namibia affecting Rabies. With regard to Canine- are at the greatest risk. the Ministry of Health and So-

the Ministry of Health and So-

transmitted to humans through and appropriate medical care. constraints and weaknesses in The second cluster occurs the saliva of an infected dog. The NATIONAL RABIES CON- order to minimize the impact of ■ Negative ■ Positive ■ Total Case

south of the Veterinary Cordon The strategy report stresses TROL STRATEGY (NRCS) (Figure 1. Number of cases in Namibia from 2013-2015. In humans it's on average

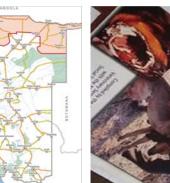






Figure 4. Cases of Rabies on SILABFA



Figure 5. Final Test Report for Figure 6. Rabies letter gene-Rabies case produ-ced by SILABFA utomatically a serious problem in Namibia



Figure 7. Kudu Rabies is also Figure 8. Rabies in Bovine is also another se-

Namibia has slightly declined but the rate of infection of dogs and kudus remains unacceptably nigh and worrisome.

The Rabies cases are tested in he Central Veterinary Laboratory (CVL) that established v: in Ondangwa CVL and in CVLory Information Management Istituto Zooprofilattico del Molise "G. Caporale" 「eramo, Italy) facilitate the fast response in the analysis. In fact since the SILABFA (Figure 4) is installed in the CVL the turn around time is less than 50% and the processes is now total paper less. The Rabies Test in Antigene detection in FAT method is now accredited to SADCAS. SILABFA automatically produces the Reports signed (Figure

5) and is able to send via email ne report to the customers. In eference to the NRCS. in case Positive results and humannimal contact, alert Letter Figure 6) is generated and deattached to the Test Report di-8. Rabies in Bovine is also another serious challenge in Namibia, causing a lot of serious livestock losses tification is prompt and fast.



