

## ANALYSIS OF MORTALITY IN THE ROE DEER (*Capreolus capreolus*) AID IN STRUCTURES OF WILD ANIMALS RECOVERY IN NORTHERN ITALY

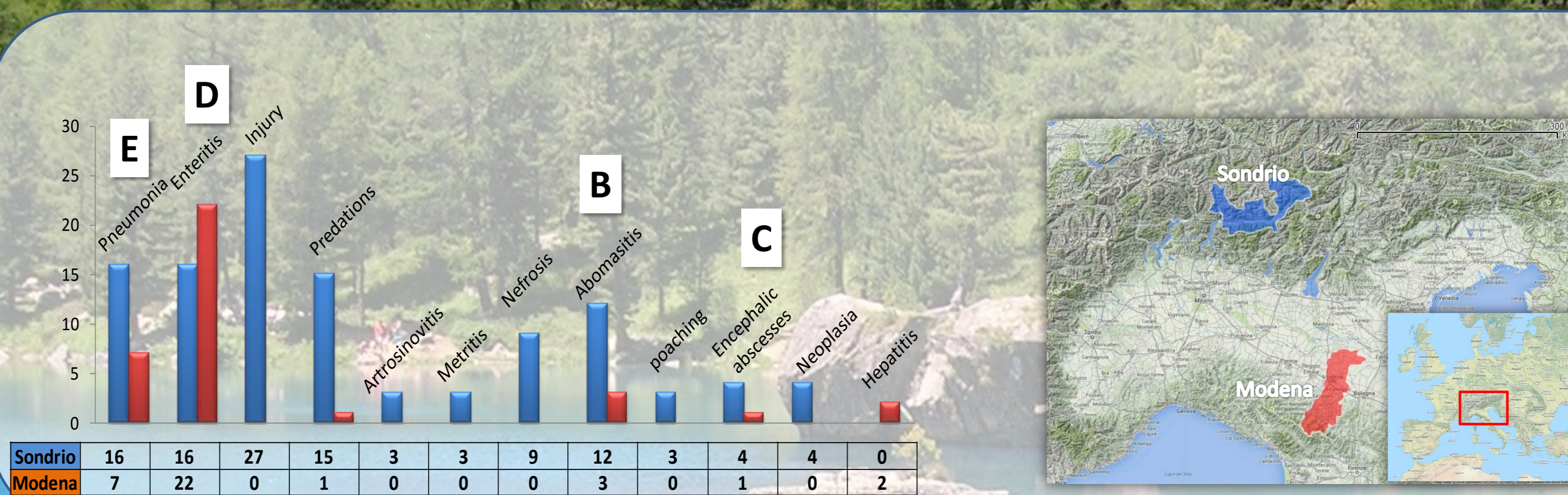
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### Introductions

Wildlife rehabilitation centers can provide a wealth of information on the health status of animal populations in a given territory. In particular, they provide important demographic elements and allow passive monitoring of infectious diseases.

### Materials



We report the results of 118 case of the diagnostic activities (necropsies and diagnostics examinations) on recovered roe-deers in two Italian wildlife rehabilitation centers: **Sondrio** and **Modena** province

### Results

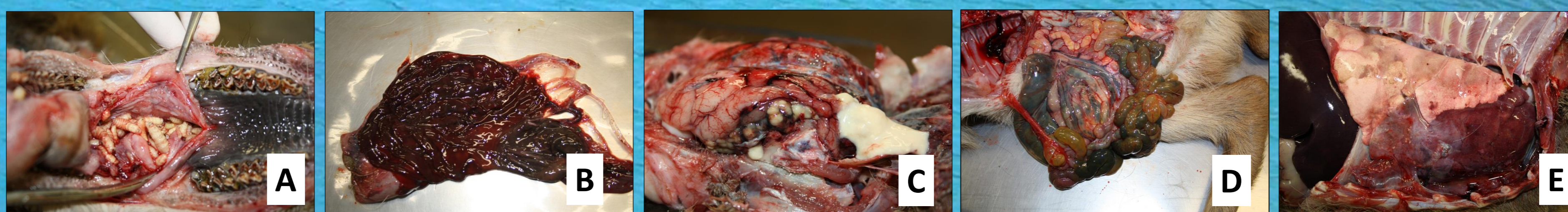
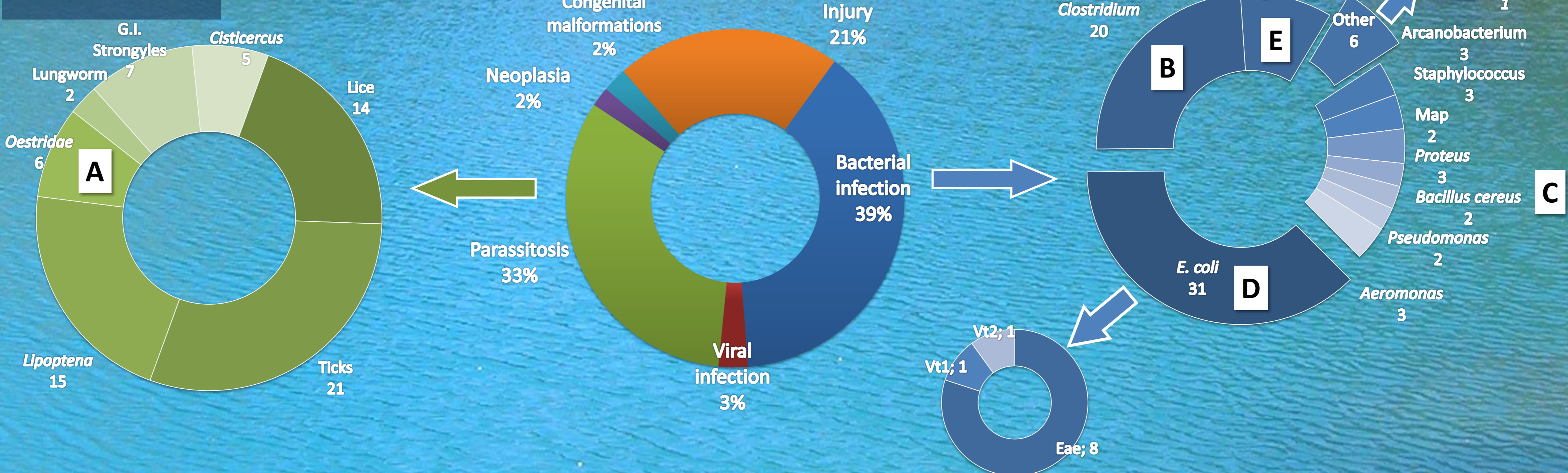


Fig. 1 : Primary causes of mortality

### Discussion

- The causes of mortality in roe deer are different in two areas: in the Alpine area (**Sondrio**) traumatic causes prevail, while in the alluvial plain (**Modena**), infectious causes are most frequent.
- Not all etiologic agents identified are the primary cause of death (40 cases of multiple *noxae*).
- Bacterial infections are more severe and causes more mortality than parasitic diseases.
- Among the parasites nasal myiasis by *Oestridae* have greater lethality for the species
- Enteritis are the most critical element in the rescue centers health management, in particular colibacillosis and clostridiosis may represent a critical point to the rehabilitation process.
- Because of the isolation of VTEC strains of *E. coli* and some potentially zoonotic pathogens (*Salmonella*, *Listeria*) an high level of attention in health management of workers must be maintained.
- The demographic data collected confirm an increased incidence of infectious and pathological phenomena in young and elderly individuals, while the trauma affecting most adult individuals.