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phocytes and a corresponding depression of the CD4+:CD8+ ratio. In contrast, cats with short-term FIV-infection (5-6 months) developed antibody responses to the T-dependent immunogen that did not differ significantly from those of matched control cats. Therefore, the observation that immunosuppressed cats infected with FIV do not show clinical symptoms may be explained by the lack of secondary infectious agents in SPF facilities.

FIV infection has attracted interest as a model for human AIDS. The reasons for this are that FIV is a lentivirus related to HIV, that the

natural course of disease is similar to that of human AIDS, that cats are readily available and that the infection can easily be transmitted under experimental conditions.

There is no evidence of FIV being a threat to public health. This was concluded from studies showing that FIV does not replicate in lymphocyte cultures from other species; and that antibodies to FIV could not be detected in veterinarians and animal care personnel with prolonged exposure to sick cats.

*Library of the Faculty of Veterinary Medicine, State University, Utrecht*

## **SEARCHING LITERATURE FOR VETERINARY PATHOLOGY. I. HOW TO TACKLE THE AVALANCHE OF PERIODICAL LITERATURE IN THE FIELD OF PATHOLOGY**

*A. H. H. M. Mathijssen, Th. A. M. Elsinghorst*

An overview is given of journals publishing articles of interest for the (veterinary) pathologist. The sheer number of these journals and the articles they contain forces to apply modern methods of information retrieval. Next to online retrieval, subscribing to SDI-services or using Current Contents (in paper or electronic form), the consultation of databases on CD-ROM and subsequent downloading of search results offer elegant solutions to conquer seemingly unsurmountable mountains of paper.

In order to reach optimal solutions for local needs a close cooperation between the library and the clinics, laboratories and research departments is essential. A new type of intermediary is evolving: a member of an endusers group being a specialist in a certain branch of (veterinary) medicine and familiar with literature search. The required qualities of this «intermediary/documentalist» are:

– Knowledge of the discipline of the regarding user group.

- Knowledge of the specific needs of the different members of the user group in connection with their diagnostic tasks and their research projects.
- Knowledge of the contents and the structure of databases.
- Knowledge of conversion programmes.

This new type of intermediary can fill the gap between the general information resource manager/librarian and the enduser oriented database searcher.

The impression is that the export of specialized and well selected files into the working and teaching area of academic departments can improve the understanding of bibliographic characteristics of staff-members and students and can promote the rational use of the library resources. As an example an elaboration will be given of a veterinary pathology file, installed in the dissection room of the Department of Veterinary Pathology of Utrecht, as an aid in Diagnostic Pathology (part II, next presentation).

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## **ACUTE SEROUS PANCREATITIS («EDEMATOUS PANCREATITIS») IN SLAUGHTERED PIGS**

*P. S. Marcato, L. Della Salda, L. Lollini, L. Zaglini*

An acute serous pancreatitis has been described in slaughtered pigs since 1977 (8). In this report the histologic and ultrastructural pancreatic changes are characterized and the main pathogenetic factor is demonstrated.

### **Material and methods**

A post mortem examination of 21,719 pigs (average body wt. 164.4 Kg) was carried out in the same abattoir. Before slaughtering the pigs were fasted (only water was available) up to 40 hours (15,678) and up to 60 hours (5,775). 226 pigs were slaughtered after protracted fasting ( $\pm$  70 hours). Organs fixed in Carson's formalin were: pancreas with edema (82), control pancreas (12), liver and gastric lymphnodes. Paraffin sections were stained with HE, Masson trichrome, and PAS. Ultrathin sections of pancreas fixed in glutaraldehyde were stained with uranyl acetate and lead citrate and examined with a Zeiss EM 109.

### **Results**

Diffuse subcapsular and interlobular edema (fig. 1) was found in the pancreas of pigs from different stock-farms. The incidence but not the severity of the lesions varied greatly in relation to the fasting-period before slaughter (Table 1): very low (0.06%) in 15,678 pigs fasted up to 40 hours, increased (2.3%) in 5,775 pigs fasted up to 60 hours. The incidence reached 36.8% in 266 pigs slaughtered after protracted fasting ( $\pm$  70 hours). No gross lesions were seen in other organs. Histologic pancreatic changes consisted in an acute interstitial serous inflammation. The interlobular stroma was distended by an acidophilic and weakly PAS positive exudate with scattered mononuclear cells and neutrophils (fig. 2). Multifocal alteration of single or grouped acinar cells was constantly noted. Affected cells were filled with zymogen granules and contained a single large vacuole, or occasionally, multiple small vacuoles. Many acinar vacuolated cells bordered the interlobular edematous interstitium. The large cell vacuole appeared empty or included an irregular corpuscle and few