

# THE PIG ARCHIVE

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## DEDICATION

This collection is dedicated to all the members of the Pig Veterinary Society and to the many contributors to the meetings of the society over the years. Without these contributions from both veterinarians and non-veterinarians the society would have failed many years ago. These digital records are hopefully a recognition of all their past efforts.

## INTRODUCTION

### The initial reason

This is largely a collection of transparencies which have been digitised from the originals with new digital images added. Some of these have been added from recent presentations of the Pig Veterinary Society at the biannual meetings, as allowed by the presenters and for this we are grateful.

The start of this collection was prompted by the examination of what was happening to collections of transparencies and other archive material in laboratories and universities across the country. If it was not digitised it was consigned to the skip. Much material has therefore been lost, not only transparencies but also case records, clinical histories, paraffin-embedded tissue blocks and material in the deep freeze and stored tissue in formalin.

In some instances, a whole library has been condensed into a few shelves in a store cupboard (who needs books?). We have tried to save as many threatened pictures as possible. In addition, most of the veterinary indices are not historical so the conditions seen in the 80s or 90s are not accessible unless you understand the vagaries of *Index Veterinarius*. This is why, as the enforced collapse of the Veterinary Investigation Service commenced with a reduction from approximately 23 centres to the present 6, it was thought necessary to save photographs of as many of the conditions as possible. This is why and when we started on this project.

Over the years, many scientists at universities, research institutes and practitioners collected an enormous amount of valuable experience and case material, some of which is contained in this archive. At present and even more so in the future, this expectation will reside solely with the practitioners, as the last few porcine specialists in regional laboratories, universities and research centres approach retirement and are not replaced or dissipated into the ether.

Perhaps 10% of the start of this archive was completed whilst we were in a previous life in MAFF and its numerous re-incarnations (Defra and APHA etc). The major part of the work (90%) has been supported by the Pig Veterinary Society without whose support we would never have had the time or the will to complete this task. The entire exercise was hugely time-consuming, repetitive and with accompanying eye-strain. As it involved a minimum of intellect, it was admirably suited to an aged, former employee of Defra.

## The contributors

Many authors, principally pig clinicians and pig pathologists associated with the former Veterinary Investigation Service (VIS) and latterly the Veterinary Laboratories Agency who were also members of the Pig Veterinary Society (PVS), have knowingly contributed to this collection. Many of our former stars of the VIS have unwittingly contributed to this collection, as they will have either retired or become deceased, sometimes many years previously. Others will not have realised that their legacy will be pictures in this collection. Some of these collections are still in boxes being used as foot rests! Where possible, we have tried to examine these and save the most valuable pictures. Unfortunately, not many have identification on the slides and where there is any doubt as to what they are showing we have attempted to make the correct interpretation. Reluctantly, sometimes, we had to ignore these cases as identification was impossible.

In addition, former senior members of the profession and members of the Pig Veterinary Society have donated (also probably without knowing it) some of their slides to the collection. We are particularly grateful to the late Jack Done, Mike Muirhead, John Walton, Alastair Douglas and Richard Potter for allowing us scrutiny of their collections and permission to incorporate some of their slides.

Dick Penny, Peter Best, Roger Blowey and Bill Smith have also made significant contributions.

Initially, the collection was compiled from the archives of AHVLA (now APHA). Since then there have been contributions from members of the British Pig Veterinary Society. The practitioners are to be thanked most of all, many for sending the original cases to our laboratories for investigation. Without this provision, the material would not be available.

A considerable amount of photographic material originates from the major pig-dominated centres of Bury St Edmunds and Thirsk. In the past, other illustrious centres with a pig bias, now long since departed, like Norwich, Cambridge, Worcester and Leeds and the more recently extinct Winchester and Bristol were also able to provide pictures of representative or interesting cases for the collection.

A last and most welcome addition has come from the presentations at the recent spring and autumn meetings of the society. It is a memorable gift from the speakers to contribute their slides to the PVS collection, again without knowing it.

It is hoped that the collection will be particularly useful for educational purposes for undergraduates, recent graduates and practitioners who may need illustrative material.

As the available pig research centres are reduced (VIS, agricultural colleges, pig expertise in universities to name but a few) so is the number of consultant experts available to the profession as a whole. It is therefore important that this collection of visual material is maintained for the future

The Society extends its gratitude to all contributors.

## Dedication and attribution

Many of the attributees may be unaware that they have contributed to the collection. It is hoped that they will not be too upset when they recognise their inclusion.

Wherever and whenever possible, I have tried to find out who photographed the original or to remember who provided the photograph in the first place and give a dedication to that person or that centre on the slide. However, as you all know, memory plays tricks and sometimes it is not possible to give a direct attribution. I have tried to get things right, but if any viewer feels aggrieved that such a dedication is incorrect, I apologise in advance. It may be possible to insert the correct attribution for each slide through the webmaster or his staff. In the past, many slides have been passed around and the original source has been

forgotten. Many of us allowed our slides to be accessed by our chums without any reservations. Sadly, there are always characters who have purloined slides. In such cases the original author has been lost in the process. In searching other person's slide collections it is not unusual to find one's own slides!

## Quality

A second important point is quality. In some cases, the diseases have not been seen for a long time or photographic records are incomplete. Rather than lose this material, which we may never see again we have digitised old slides, (possibly taken on box cameras in unlit pig units) to the best of our abilities. These may be 50 years old (as in the case of Vesicular Exanthema, supposedly now existing only as San Miguel Sea Lion virus, in seals off the coast of California) but they are too important to lose and no amount of digital enhancement can undo the deficiencies of the original picture. Therefore, in these cases they are still in their original form – slightly pink. The digital ones have, in some cases, been adjusted.

The onset of digital photography and the use of camera phones has obviously improved the situation immensely.

In some conditions, there are several slides illustrating a single condition. The reason for this is that disease agents change their virulence, strains develop, pig genetics change and so does the appearance of the disease. In addition, a photograph is only a record at a certain time in the development of a set of clinical signs or pathological lesions and therefore there may exist many manifestations of the same disease.

In many textbooks, there are no longer any colour images to go with texts (compare the first edition of Diseases of Swine illustrated by Dunne with recent editions). In addition, these texts are often used to show only the truly classical lesion and often this does not occur in practice, so variant descriptions are very valuable. A classic example of this was shown when we dissected cows in the department of anatomy. The textbooks said that the thorax was always drained by the left azygos vein but in the 11 animals we dissected the left was present in six but the other five had chest drainage via the right azygos vein (admittedly they were Jerseys).

## Availability

Most important of all, we would like to state that the collection has some gaps and is by no means complete, so new additions are always very welcome. New diseases and new manifestations of the old will continue to occur.

Over the years, for most members of the profession the use of one's slides by others has been an unannounced, reciprocal arrangement with give and take on both sides. There have been a few notable transgressors; they know who they are!!

In future all members of the Pig Veterinary Society and the diagnosticians of the APHA will be able to use these slides but should they do so, then two rules need to apply:

Firstly, if used in a presentation and published on a site or in a written presentation then acknowledgement should be given to the author and the PVS slide collection.

Secondly, if published or used by a third party then royalties should be paid to the Pig Veterinary Society and such a figure should be decided by the Secretary and Treasurer of the Pig Veterinary Society at the time ([treasurer@pigvetsoc.org.uk](mailto:treasurer@pigvetsoc.org.uk)).

## Organisation

The only existing file system for diseases was that originally created for the Veterinary Investigation Service. It is known as the VIDA System (Veterinary Investigation Disease Analysis). Over the years this system has grown and been modified. It is probably obsolete and could be replaced by a more complete breakdown based on the description of the condition concerned. However, historical comparison would then not be possible. It is,

however, in existence and we used it. However, the major reason for retaining it, is that over the years it can give us reference points and can be accessed to assess trends and in particular to provide factual information.

It had two major deficiencies. Firstly, it did not include Notifiable Diseases, on the basis that hopefully these never entered the diagnostic system in the laboratories (disease spread nightmare!). We have now included these in this system as an extra feature for completeness. It has always been said that as a veterinarian you will not be remembered for missing *Brachyspira* but you will certainly be remembered for missing Foot and Mouth Disease (FMD). Certainly FMD and Classical Swine Fever (CSF) in the UK and CSF in the Netherlands were missed initially, for at least a fortnight and therefore it is extremely important to include these pictures in an archive. These are included in systemic diseases in an added sub-chapter.

The conscious recall of serious infectious disease awareness, unless you are seeing it on a daily basis eg *E. coli* diarrhoea, is probably only five years or so. In many books, there are also limited collections of photographs and it is always worth remembering that the pictures included are only the classical cases whereas in real life practice many conditions are not seen in the classical form. For example, in the CSF 2000 cases the lesions in the sows were not the classical skin lesions but involved haemorrhages in gastro-splenic lymph nodes as the most obvious lesion. Remembering the features of these diseases is easier now as memory has been replaced by the internet. It is in this context that we hope that this collection will prove useful. For many of the conditions we have included a wide group of photographs so as to show the wide manifestations of the spectrum. A classic example would be the pictures involving the *pars oesophagea* of the stomach under gastric ulcer which includes mild hyperplasia to frank ulcers and varying degrees of haemorrhage.

Secondly, VIDA did not include conditions that were readily recognised outside the service and would not require laboratory diagnosis e.g. rectal prolapse.

In both cases we have included these groups, but they are listed as other conditions in each of the nine existing files

In some instances diseases that were included under a non-specific code have subsequently been given their own code as they have assumed greater importance e.g. *Klebsiella* septicaemia, but the original cases may have been filed elsewhere. We have done our best to deal with these anomalies, but probably not all have been sorted.

In addition, it is probable that not sufficient cases are recorded or seen and these rarities have never been given a code. We hope to have captured some of these rarities. As a last resort we have referenced these in the most appropriate bodily system

## Searching

Quite correctly, diagnosis in the pig is best decided through attention to systems and this was basically how the way the ailments were classified in VIDA originally and a systems basis is certainly the best way to teach. At least most qualified veterinarians do know the bodily system they are dealing with, even if they are not able to recognise the organ system within it. (We have had pieces of sub-mandibular salivary glands regularly identified as a lymph node).

The initial VIDA classification fell into 9 main groups 1) systemic 2) digestive 3) respiratory 4) urinary 5) musculo-skeletal 6) neuro-endocrine 7) skin 8) blood and lymphatic and 9) reproduction.

In each of these sections where appropriate we have added new sections to include diseases not yet coded or classified, and also those not included in the basic VIDA code classification. These are usually included at the end of each group under "others".

In addition, where a disease may be classified in one system section, where the major features lie, but has important pathological findings in another system, we have cross-indexed.

For example, group 1) contains the systemic diseases. We have added to this a Notifiable Disease section and this is broken down into Haemorrhagic Diatheses (CSF and African Swine Fever (ASF)) and Vesicular Diseases (Swine Vesicular Disease, FMD, Vesicular Stomatitis (VS) and Vesicular Exanthema (VE)) and others (for example Anthrax).

A good example of our attempt to further rationalise is shown in the case of a complex notifiable disease such as CSF. Although a systemic infection, it has lesions in many organ systems. Therefore, for example, when looking at the skin lesions in the original VIDA classification there will be no place for CSF lesions so we have added a separate section for completeness. Thus, at the end of each recognised VIDA classification you may find a section called others in which specific examples of other lesions in that system will be recognised. Hopefully, this will help the person who knows there is a pig with a skin condition, the cause of which is uncertain but by hitting the skin chapter he/she may be able to identify the condition.

At the end we have added a new chapter on welfare (10) and this includes pictures of odd things that may be useful for members to use to illustrate talks involving pig welfare.

I once went to a pig meeting and sat in the audience before my turn and heard a fellow member of the audience say, "the next talk is on pathology of the respiratory tract and I bet the 'b....r' will include lots of histopath". This colours one's judgement of what to use in talks thereafter! However, we have included a new chapter on histology (11). It is the sort of chapter that turns clinicians "AWOL" but contains classical histological lesions. These may prove useful in understanding the gross pathology that occurs and the clinical condition that subsequently results. In addition, it is sometimes necessary for the use of tissue smears, culture and histopathology to actually arrive at a diagnosis and not just confirm it. We apologise for this section but these digitisations may be helpful. At a time when pig medicine is almost considered disposable in the undergraduate curriculum or treated as a special interest, or an exotic animal, these pictures may be of particular use to students.

Hopefully, when we are carrying out a post mortem examination we know which particular tissue we are looking at, but in some cases details of the normal structure may be absent eg lung lobation or degrees of villus atrophy. Where this occurs they are included in that organ system. In other instances, particularly in the case of the gut, some are listed as viruses or bacteria on the one hand or in the structures that are affected eg anal atresia. If you cannot find a slide you can always ask the computer directly and it should find it (hopefully!).

The computer only recognises a numerical sequence and this is why we had to number sequentially. If this was not done, the slides would disappear all over the system. This would be at its worst in the systemic section which is the largest collection of slides in one chapter. For example, in the systemic diseases they are listed per VIDA in group 1 systemic diseases.

NOTIFIABLE DISEASES are not included in the VIDA system so we have had to enter a group of Notifiables which are numbered as follows:-

#### THE HAEMORRHAGIC DISEASES

1001 – African Swine Fever - ASF

1002 – Classical Swine Fever - CSF

1003 – CSF 2000 (the UK outbreak in East Anglia)

#### THE VESICULAR DISEASES

1004 – Foot and Mouth Disease FMD

- 1005 – Swine Vesicular Disease SVD
- 1006 – Vesicular Exanthema VE (San Miguel Sealion virus)
- 1007 – Vesicular Stomatitis VS

OTHER SYSTEMIC NOTIFIABLE DISEASES

- 1008 – Anthrax
- 1009 – Aujesky's
- 1010 – *Brucella suis*

After this there are also a group of non-VIDA listed other systemic diseases. These include:-

- 1011 – Teschen
- 1012 – Blue-eye
- 1013 – Nipah virus
- 1014 – Porcine Failure to Thrive Syndrome (PFTS)
- 1015 – Encephalo-myocarditis virus
- 1016 – Senecavirus
- 1017 – Unknown Snout Lesions
- 1018 – Malignant Catarrhal Fever
- 1019 – High Pathogenicity PRRS

In a system where the list is already decreed by VIDA we have used underscoring as an aid to their organ system as outlined below:

\_1 as systemic or clinical, \_2 as digestive, \_3 as respiratory, \_4 as urinary, \_5 as musculo-skeletal, \_6 as nervous, \_7 as skin, \_8 as cardiovascular, \_9 is reproductive and we have added a \_10 as welfare and lastly an \_11 as histology.

A good example would be in Group1 SYSTEMIC DISEASES. Here there is a large group entitled hereditary/developmental disorders under the code 060. If entered into the system under this code every disease under the sun in this group could occur anywhere: it would be an utter shambles! Since a computer codes by numbers, not names, we have sub-divided these disorders into organ systems. So 060 \_1 is Group 1 Clinical corresponding to systemic. Group 060 \_2 is digestive disorders and so on using the VIDA organ system codes

The disease descriptions listed alphabetically as per VIDA are included in the appendix. In the contents listed below the sub-headings have been added by me to make the list hopefully more understandable. As of May 2019 there are the following pictures in the collection:

Group 1 Systemic	1779
Group 2 Digestive	919
Group 3 Respiratory	511
Group 4 Urinary	173
Group 5 Musculo-skeletal	573
Group 6 Nervous and Special Sense	232
Group 7 Skin	686
Group 8 Cardiovascular/Lymph	313

Group 9 Reproductive	557
Group 10 (extra group to VIDA) Welfare	517
Group 11 (extra group to VIDA) Histology	710

There are therefore about 6,970 pictures of which some are duplicates. This happens particularly in the case of the systemic diseases where we have put duplicates into the body systems where the lesions occur.

## HELPFUL HINTS FROM MENTORS

- A) “You have used the expression cells per high power field? How many acres is this field?  
It is sometimes better to think of the implications before you write something”  
*Prof Ernie Cotchin*
- B) “If you have done a piece of work and not communicated the results, why did you do it”  
*Prof Jet Jones*
- C) “The use of the red pen is for your benefit, not mine, it should encourage you in the use of proper English”  
*Prof Jet Jones*
- D) We are “The result of our meetings and our choices”  
“You do not regret what you have done only what you have not done!”  
*Barbara Somers, Transpersonal Psychology*
- E) It is always possible to take the other route, as suggested by Robert Frost in his poem The Road Not Taken. If it does not suit, change your mind again.
- F) There are 4 options in answer to a decision to be made – yes, no, can’t make up my mind as I do not know the facts and ask again after a certain time.

## ACKNOWLEDGMENTS

- 1) Mrs Sarah Brown for most of the inputting of the material into this archive ably assisted by Julian Cook. Both gave freely of their time, expertise and facilities to conclude this project. In particular, the expertise of the Photo-Imaging Department, of the former Veterinary Laboratories Agency (now APHA) was invaluable in digitising and improving older material and making old equipment and aging Apple Macs behave themselves. It is easy for amateurs like me to forget that words need Microsoft but pictures need Apple Mac.
- 2) All the photographers over nearly 70 years of pig medicine.
- 3) All the former and present members of the VIS who have provided items from their investigations. In particular, the members of Bury St Edmonds and Thirsk centres who have provided a considerable amount of this material.
- 4) All the practitioners over the years who have referred material to the Centres. Without them there would have been neither clinical nor post-mortem pictures.
- 5) The presenters at clinical clubs and lectures at the twice-yearly meetings of the Pig Veterinary Society who have allowed the PVS access to their material.
- 6) Latterly, the Pig Veterinary Society has provided travel funds to enable us to complete the arrangement of this material.
- 7) If you have slides that you feel would be of benefit to other Members and wish to donate them for possible addition to the collection, please email [secretary@pigvetsoc.org.uk](mailto:secretary@pigvetsoc.org.uk).
- 8) If you wish to use a slide for commercial use or publication, please contact [treasurer@pigvetsoc.org.uk](mailto:treasurer@pigvetsoc.org.uk) to organise relevant payment to the Society.



**Group 1: Systemic Disease and those not readily classified organically**

VIDA NO	VIDA DESCRIPTION
060	Hereditary/Developmental Abnormalities Sub-divided into systems 1-9 _1: LIVE PIGS AND SYSTEMIC DISORDERS; whole body such as missing body parts to include agenesia, complex foetal abnormalities, <i>Schistosoma</i> and "Siamese piglets" _2: DIGESTIVE; anal atresia, branchial cysts, cleft palate, congenital mouth problems, cystic liver, dental hypoplasia, hard palate agenesia, "hare lip", imperforate anus, jaw malformations, rectal stricture _3: RESPIRATORY; branchial cysts, melanosis _4: URINARY; absence of kidney, hypoplastic kidneys, polycystic kidneys, renal aplasia, renal cysts _5: MUSCULO-SKELETAL; abnormal cartilage, absence or agenesia of head, amputee, arthrogryposis, articular rigidity, assymetric hindquarter syndrome, bent leg, bent tail, "bull head", carpal flexure, disco-spondylosis, extra digits, floppy ear syndrome, hernias, hyperostosis, kyphosis/scoliosis, malformations and missing parts, polydactyli, tail abnormalities, "thick leg" (hyperostosis), _6: NERVOUS; brain agenesia, cerebellar atrophy, congenital tremor, cyclops, ectopic eye, familial polyneuropathy, hemimelia, hydrocephalus, meningocoele, microphthalmia, phocomelia, Pietrain Creeper syndrome, splayleg _7: SKIN; congenital pig pox, <i>Dermatosis vegetans</i> , <i>Epitheliogenesis imperfecta</i> , <i>Pityriasis rosea</i> , skin perforations _8: CARDIOVASCULAR; hole in the heart _9: REPRODUCTIVE; congenital oedema, conjoined ovaries, enlarged testis, hermaphrodites, hydrocoele of testis, inverted nipples, <i>Uterus unicornis</i>
090	Navel bleeding
105	<i>Actinobacillus suis</i> infection (sub-sections 2, 3, 4, 5, 7, 8, 11)
110	Clostridial disease Includes <i>perfringens</i> , <i>septicum</i> , <i>tetani</i> and <i>welchii</i> but not <i>novyi</i> (sub-sections 1, 2, 5, 6, 7, 8)
113	<i>Clostridium novyi</i> disease ( <i>oedematiens</i> ) (sub-sections 1, 2, 11)
123	Colisepticaemia (relevant sub-sections including 2, 3, 4, 7, 8)
131	<i>Trueperella pyogenes</i> infection (sub-sections 3, 5, 6)
133	<i>Erysipelothrix rhusiopathiae</i> (sub-sections 1, 3, 4, 5, 7, 8)
134	<i>Fusobacterium necrophorum</i> infection (sub-sections 1, 2, 3, 7)
139	Leptospirosis includes <i>pomona</i> , <i>canicola</i> (sub-sections 1, 2, 4, 6, 7,9,11)
142	Tuberculosis includes both <i>avium</i> and <i>bovis</i> (sub-sections 2, 3, 5, 8, 9,11)
152	Pasteurellosis /Mannheimiosis (sub-sections 1, 2, 3, 4, 5, 7, 8,11)
154	Yersiniosis
160	Salmonellosis: <i>Salmonella</i> includes all other salmonellae (sub-sections 2, 3, 7)
161	Salmonellosis: <i>Salmonella cholerae-suis</i> (sub-sections 1, 2, 3, 4, 7, 8)
165	Salmonellosis: <i>S. Typhimurium</i> (sub-sections 1, 2, 4, 5)
168	Salmonellosis involving monophasic group B <i>Salmonella</i> 4, 5,12 with or without a recognised <i>S. Typhimurium</i> phage type (2) (sub-sections 2, 7)
171	Streptococcal infection; includes other species than <i>suis</i> (sub-sections 2, 3, 4, 5, 7, 8)
172	<i>Streptococcus suis</i> ; includes all serotypes of <i>S. suis</i> (1, 2, 3, 5, 6, 7, 8, 9,11)
240	Porcine Reproductive and Respiratory Syndrome (PRRS) (1,2,4,6,7,8,9,11)
270	<i>Klebsiella pneumoniae</i> septicaemia (1,2,9,11)
363	Hydatidosis (2,3,6)

- 410 Poisoning: chemicals (1,2,3,4,6,7,  
Includes bitumen, copper, coumarin, haloxon, hypervitaminosis D, iron toxicity, kaolin,  
nitro-arsanilic acid, organo-phosphorus, rodenticides, sulphanilamide and Warfarin  
Poisoning: plants (1,2,3,7,8,9)
- 440 Includes ergot, fumonisin (*Fusarium*, formerly mouldy corn poisoning), hemlock,  
ragwort, water dropwort and zearalenone
- 441 Poisoning: bracken (2,3,8)
- 511 Hypocalcaemia
- 513 Hypocupraemia/Hypocuprosis (2,8)
- 515 Anaemia - iron deficiency (1,3,5,8,11)
- 522 Hypo-gamma-globulinaemia
- 544 Trauma/fracture (1,2,3,4,5,7,9)  
Includes a variety of conditions (burns, electrocution, fractures, skin trauma, tail biting,  
teeth clipping and wounds)
- 545 Malnutrition -inadequate and/or unsuitable diet (1,2,4,5,6,10)  
Includes live pigs with deficiencies, biotin deficiency, cachexia, mouldy food, niacin  
deficiency, rickets, Vit A deficiency, Vit E deficiency
- 603 Glasser's disease/polyserositis (*Haemophilus parasuis*)(1,2,3,4,5, 6,7)
- 705 Navel Ill/Joint Ill (5,7)
- 712 Post-Weaning Multi-Systemic Wasting Syndrome (PMWS) (1,3,4,5,8,10,11)
- 766 Porcine Circovirus Associated Disease (PVCAD) (1,2,3,4,6,8)
- 787 Porcine Dermatitis Nephropathy Syndrome (PDNS ) (1,2,3,4,7,8,11)

#### OTHER SUBJECTS ADDED INCLUDE

##### HAEMORRHAGIC DIATHESES

- 1001 African Swine Fever (1,2,3,4,5,6,7,8,10)
- 1002 Classical Swine Fever (1,2,3,4,5,6,7,8,9)
- 1003 Classical Swine Fever 2000 (UK) (1,2,3,4,5,7,8,9)

##### VESICULAR DISEASES

- 1004 Foot and Mouth Disease (1,2,3,7,8)
- 1005 Swine Vesicular Disease (2,3,7)
- 1006 Vesicular Exanthema (2,3,7)
- 1007 Vesicular Stomatitis (2,3,7)

##### OTHER NOTIFIABLE DISEASES

- 1008 Anthrax (2,10,11)
- 1009 Aujesky's Disease (1,2,3,6,8,9,11)
- 1010 *Brucella suis* (1,5,9)
- 1011 Teschen (6)

##### OTHER SERIOUS EPIZOOTIC DISEASES TO LOOK OUT FOR

- 1012 Blue-eye (1)
- 1013 Nipah Virus (1)
- 1014 Rinderpest (2)
- 1015 Encephalomyocarditis Virus (EMCV)
- 1016 Senecavirus infections
- 1017 Sore snouts of unknown aetiology (7)
- 1018 Malignant catarrhal fever
- 1019 High pathogenicity PRRS

### **Group 2: Disease of the Digestive System**

VIDA NO	VIDA DESCRIPTION
109	<i>Clostridium perfringens</i> type A (1,2,11)
121	Colibacillosis ( <i>E. coli</i> ) - enteric (1,2,11)
122	Colibacillosis ( <i>E. coli</i> ) - bowel oedema/oedema disease (1,2,4,6,8,11)
186	<i>Clostridium perfringens</i> necrotic enteritis (type C) (1,2,11)
231	Transmissible Gastroenteritis (TGE) (1,2,11)
233	HEV infection - vomiting wasting disease (2)
234	Porcine Epidemic Diarrhoea (PED) (New epidemic strains and old from 1960s)(1,2)

235	Rotavirus disease (1,2,11)
312	Coccidiosis - <i>Isopora suis</i> and <i>Eimeria</i> species (1,2,11)
318	Cryptosporidiosis (11)
320	Helminthosis (1,2,11) This includes <i>Ascaris</i> , <i>Hyostrongylus</i> , <i>Macrocanthyrhyncus</i> , <i>Oesophagostum</i> , <i>Trichuris</i>
491	<i>Hepatositis dietetica</i> (1,2)
659	Colitis: <i>Brachyspira pilosicoli</i> (1,2,11)
662	Gastric ulceration: (2) includes haemorrhages, hyperkeratosis, normal stomachs and ulcerations
664	Non-specific colitis (1,2)
666	Swine dysentery: ( <i>Brachyspira hyodysenteriae</i> ) (1,2,10,11)
667	Proliferative enteropathy ( <i>Lawsonia intracellularis</i> ) (1,2,11)
668	Intestinal haemorrhage syndrome (Jones's type) (1,2)
671	Torsion of the stomach and spleen: includes distension (2)
672	Torsion of the small intestine (2)
673	Rectal stricture (1,3)
	OTHER SUBJECTS ADDED INCLUDE (2, 11)
2001	BACTERIA includes <i>Brachyspira</i> , <i>Campylobacter coli</i> , <i>Cl. difficile</i> , <i>Salmonella spp</i>
2002	"BOTTIES" includes anal atresia, imperforate anus, rectal prolapse and recto-vaginal fistula
2003	Bovine Virus Diarrhoea (BVD)
2004	Porcine Failure to Thrive Syndrome (PFTS)
2005	LIVER includes aflatoxicosis, <i>Ascaris suum</i> , <i>Cl. novyi</i> , Cysticercosis, cysts, fascioliasis, haemorrhages, torsion, telangiectasis and TB,
2006	MISCELLANEOUS GUT: includes blood splashing, button ulcers, Candidiasis, constipation, doughballs, fat infiltration, feed pellets, hairballs, hyperkeratosis, ileal stenosis, intussusception, lymphangitis, mesenteric emphysema, oesophageal muscular hypertrophy, oesophageal rupture, <i>osseus metaplasia</i> , sawdust or shavings impaction, stenosis, stones in gut and volvulus
2007	MOUTH: includes Actinomycosis, brachygnathia, focal ulcers, foreign bodies, necrotic mouth lesions, necrotic tonsils, teeth clipping, teeth lesions and ulcerative glossitis
2008	MYCOSES: includes Aspergillosis, Candidiasis, Moniliasis and Mucormycosis
2009	NORMAL FEATURES
2010	PANCREAS (2)
2011	PARASITES (11)
2012	PERITONITIS (1,2)

### **Group 3: Disease of the Respiratory System**

VIDA NO	VIDA DESCRIPTION
157	Pneumonia: <i>Pasteurella multocida</i> (3,11)
159	Porcine Circovirus Associated Disease (PCVAD) – pneumonia (3)
736	Pneumonia associated with PRRS (3,11)
739	Pleurisy includes: <i>A. pleuropneumoniae</i> (APP), <i>Haemophilus parasuis</i> (HPS), <i>P. haemolytica</i> , <i>Pasteurella multocida</i> (PM), <i>S. suis</i> and <i>Trueperella pyogenes</i> (3)
740	Pneumonia: includes abscesses, <i>A. suis</i> , <i>Aspergillus SPP</i> , Botryomycosis, gas gangrene, <i>Trueperella</i> , <i>Salmonella</i> , <i>Staph aureus</i> and <i>S. suis</i> (3)
744	Parasitic pneumonia: includes <i>Ascaris</i> , <i>Metastrongylus</i> and <i>Echinococcus</i> (3)
745	Swine influenza (1,3,11)
751	Rhinitis (1,3)
753	Inclusion body rhinitis (Porcine Cytomegalovirus, (PCMV)) (1,3,11)
754	Progressive atrophic rhinitis: toxigenic <i>Pasteurella multocida</i> (1,3,11)
755	Pneumonia: <i>Haemophilus parasuis</i> (3,11)
756	Pneumonia: <i>Actinobacillus pleuropneumoniae</i> (1,3,11)
758	Pneumonia: <i>Mycoplasma hyopneumoniae</i> (3,11)
759	Pneumonia: <i>Bordetella bronchiseptica</i> (3)
765	Pneumonia: <i>Mycoplasma hyorhinis</i> (3,11)

OTHER SUBJECTS ADDED INCLUDE

NOTIFIABLES

- 3001 ASF
- 3002 Aujesky's disease
- 3003 CSF

NON-NOTIFIABLES

- 3004 Fumonisin and idiopathic lung oedema
- 3005 Glasser's disease
- 3006 Miscellaneous: includes, bracken paralysis, *Chlamydia psittaci*, Cysticercosis, EMCV, gas bubbles, melanoma, pharyngeal paralysis, *Pneumocystis*, PCVAD, PDNS, ragwort poisoning, *S.suis* and *Thrombocytopenia*
- 3007 Normal lung
- 3008 Nose and snout: includes brachygnathia, *Fusobacterium*, haemorrhages, mandibular alignment and mouth breathing

**Group 4: Disease of the Urinary System**

VIDA NO	VIDA DESCRIPTION
784	Pyelonephritis/cystitis: includes <i>E. coli</i> and <i>Eubacterium suis</i> , ( <i>Actinobaculum suis</i> ) (1,4,11)
785	Nephrosis: includes a variety of causes eg. dehydration and fertiliser poisoning
786	Nephritis
	OTHER SUBJECTS ADDED INCLUDE
4001	Crystalluria: includes crystalluria (triple phosphate, uric acid), bladder and kidney stones, and sow urinating
4002	Developmental abnormalities: includes aplasia, cysts and polycystic kidneys
4003	Miscellaneous urinary disorders: includes copper toxicity, CSF, haemorrhage, hyper-vitaminosis D, infarcts, infected ureters, Leptospirosis, prolapsed and ruptured bladder, <i>Stephanurus dentatus</i> and Vit E deficiency
4004	Normal structures
4005	Tumours includes lymphoma and nephroblastoma
4006	"Turkey-egg kidneys"- over 34 listed as potential causes of this condition which is really either congestion of glomeruli or thrombosis in the nephrogenic zone of the pig kidney under the capsule which is formed in the 2-3 weeks after birth. Includes <i>A.suis</i> , ASF, CSF, <i>E.coli</i> , <i>E. rhusiopathiae</i> , lymphoma, PCV2, PDNS, PMWS, Salmonellae and <i>S. suis</i>

**Group 5: Disease of the Musculo-Skeletal System**

VIDA NO	VIDA DESCRIPTION
598	<i>Osteochondritis dissecans</i> (OCD) includes epiphysiolysis, cartilage abnormalities, apophyseolysis, lesions of hip and elbow (5)
599	Myofibrillar hypoplasia (splayleg) (5)
601	Arthritis includes arthritis in hock, carpus, spondylitis, osteomyelitis, fibrinous and suppurative arthritis (1,5)
604	Arthritis: includes <i>Mycoplasma</i> usually <i>M.hyosynoviae</i> (1,5)
605	Nutritional osteodystrophy: includes osteomalacia and rickets
610	Myopathy: includes Assymetric Hindquarter Syndrome, muscle atrophy, muscular dystrophy, muscle rupture, myopathy (5)
613	Acute Stress Syndrome: includes back muscle necrosis and Porcine Stress Syndrome (PSS) (5,11)
615	Arthritis: <i>Erysipelothrix</i> spp.- see Group 1 for systemic erysipelas (1,5,)
618	Arthritis : <i>Streptococcus suis</i> serotype 14 (5)
853	Skeletal defects : includes clinical disco-spondylosis, fractures, hemivertebrae, hyperostosis, kyphosis, lordosis, paralysis, osteomyelitis, rickets and spondylosis (1,5,11)

### **Group 5: Disease of the Musculo-Skeletal System**

VIDA NO	VIDA DESCRIPTION
	OTHER SUBJECTS ADDED INCLUDE (all in 5)
5001	Abscesses: includes feet, injection, joint, neck, pelvic and spinal, ribs,
5002	Bursae and Bursitis: includes adventitious bursae bursitis, capped hocks and knees, , hygromas and ulcerated bursae
5003	Miscellaneous disorders includes: abnormal posture, articular rigidity, atrophied legs, Coumarin toxicity, haemorrhages, hernias, iron injection toxicity, lameness, loss of bone, oedema, osteosarcoma, starvation, stilted gait, thin sows and wasted pigs
5004	Neuro-muscular disorders includes atrophy, muscle atrophy, niacin deficiency, Pietrain Creeper, splayleg and tetanus
5005	Normal features including joint features, skeleton and spinal cords
5006	Parasites includes <i>Sarcocystis</i> , <i>T.solium</i> , <i>Toxoplasma gondii</i> and <i>Trichinella spiralis</i>
5007	Trauma mostly in Group 1 but here electrocution, haematoma, and rupture of diaphragm
5008	Hernias (diaphragmatic, inguinal, umbilical and scrotal)

### **Group 6: Disease of the Nervous System and Organs of Special Sense**

VIDA NO	VIDA DESCRIPTION
087	Congenital tremor (1,6)
230	Talfan disease (1,6,11)
301	Porcine Sapelovirus disease (11)
420	Poisoning: salt excess/water deprivation (1,6,11)
643	Meningitis/encephalitis (1,6,11)
644	Streptococcal meningitis (1,6,11)
648	Cerebrospinal angiopathy
649	Spinal abscess (5)
	OTHER SUBJECTS ADDED INCLUDE
6001	Bowel oedema (1,6,11)
6002	Deficiency disorders: includes pantothenic acid deficiency (1,6)
6003	Developmental disorders: includes brain agenesis, cerebellar atrophy, familial polyneuropathy, HPNSD, hydrocephalus, meningo-coele, micro-ophthalmia, Pietrain Creeper and splayleg, (1,6)
6004	Ear problems: includes middle ear disease (1,6)
6005	Eye problems: includes Blue-eye, bowel oedema, Chlamydiosis, conjunctivitis, Infectious Bovine-rhino-tracheitis (IBR), jaundice, micro-ophthalmia, and vitamin A deficiency (1,6)
6006	Infections: includes APP, cerebellar haemorrhage, (PCV2), Cerebro-cortical necrosis (CCN), intra-cranial abscess, hepatitis, pan-ophthalmitis and tetanus (1,6)
6007	Miscellaneous conditions: includes disco-spondylitis, Encephalo-myocarditis virus, fibro-cartilaginous embolism, fractures, hydrocephalus, hypomyelination, iron injection, lateral ventricle haemorrhage, neurofibrosarcoma, paralysis, purpura, sciatic nerve damage and stroke (1,6)
6008	Normal features: included captive bolt sites, cerebellar sections, dorsal, ventral and lateral brain sections, head sections, normal thyroid, spinal cord (6,11)
6009	Poisoning: includes haloxon, mycotoxicosis, nitro-arsanilic acid, organo-phosphorus poisoning and selenium

### **Group 7: Disease of the Skin**

VIDA NO	VIDA DESCRIPTION
195	Ringworm: includes <i>Microsporium canis</i> , <i>T. mentagrophytes</i> and <i>T. verrucosum</i> (1,7)
226	Pig pox: includes congenital pig pox (1,7)
380	Ectoparasitic disease includes <i>Demodex</i> , insect bites, lice and ticks ( <i>Dermacentor</i> ) (1,7,11)

### **Group 7: Disease of the Skin**

VIDA NO	VIDA DESCRIPTION
391	Parakeratosis: zinc deficiency (1,7)
392	Dermatitis: <i>Sarcoptes</i> spp (1,7,11)
395	Hoof/claw lesions: includes abscess, Aujeszky's disease, bruised feet and soles, bush foot, coronary band disease, CSF, deformed feet, dermatitis, erosions, experimental foot rot, floor trauma, FMD lesions, foreign body on foot, gangrene, granuloma, heel ulcer, hyperkeratosis, hypertrophied medial claw, infected feet, infected joints, interdigital dermatitis, loss of digits, necrosis, osteomyelitis, overgrown feet, polyarthritis, polydactyly, sand crack, supernumerary digits, SVD, ulcerated sole, vegetative dermatosis and white line lesion (1,7)
396	Facial necrosis of piglets (1)
762	Exudative epidermitis (Greasy pig disease), <i>Staphylococcus hyicus</i> (1,7,11)
763	<i>Pityriasis rosea</i> (porcine juvenile pustular psoriaform dermatitis) (1,7)
	OTHER SUBJECTS ADDED INCLUDE:
7001	Abscesses: includes Glasser's disease, injection, iron injections, jowl, navel ill, neck, pelvic, purulent, sternal, umbilical and vaccine reactions (1,7)
7002	Biotin deficiency (7)
7003	Bursae and Bursitis: includes adventitious, bed sore, capped hocks and knees, hygromas (1,7)
7004	Dermatopathy (dermatitis) from specific organisms: includes <i>A. suis</i> , Clostridia, CSF erythema, dermatophilus, <i>E. coli</i> bowel oedema, <i>E. coli</i> erythema, FMD, Fusiformis, Glasser's disease, PCV2, PDNS, <i>Salmonella cholerae-suis</i> , <i>S. aureus</i> , <i>S. suis</i> and Treponemes (7,11)
7005	Ears: includes ASF, "blue-ear", "crumpled" ear, cyanosis, dermatitis, ear biting, ear cartilage abnormalities, ear necrosis, <i>Erysipelas</i> , "floppy-ear" syndrome, gangrene, haematoma, <i>H.parasuis</i> , ischaemic infections, necrosis, photodermatitis, PRRS, <i>Salmonella</i> , septicaemia, spirochaetal infections and <i>S. suis</i> (1,7)
7006	<i>Epitheliogenesis imperfecta</i> (1,7)
7007	<i>Erysipelas</i> skin manifestations (1,7)
7008	Face and teeth: includes bowel oedema, CSF, eczema, facial cysts, FMD, Fusiformes, infected tongue, jowl oedema, PRRS, rooting ring, sulpham drug overdose, SVD, teeth necrosis, VE, VS lesions and zygomatic abscesses (1,7)
7009	General "Boddie": includes anaemia, anal atresia, autolysis, bedsores, benign periparturient erythema, bullous pemphigoid, burns, contact dermatitis, copper toxicity, crushing, ergot poisoning, fights, flank biting, flies, focal dermal necrosis, Fusariotoxicosis, giant cell granuloma, hemlock poisoning, injection injuries, ischaemic necrosis, malnutrition, melanoma, "nipple necrosis", "pores", para-psoriasis, photosensitisation, rubor, shoulder sores, skin dimpling, skin scalds, skin scarring, skin veining, slaughter lesions, sores from crates, stress ulcers, sunburn, tether sores, transit erythema, trauma, urine burns, urticaria, wounds and yellow fat disease (1,7,11)
7010	"Scrote": includes castration wound, haemangioma, haemangiosarcoma, papilloma and PRRS lesions (1,7)
7011	Tails: includes "kinky" tail, stall trauma, tail biting, tail tip necrosis and tails cut too short (1,7)

### **Group 8: Disease of the Blood and Lymph Circulatory and Poietic System**

VIDA NO	VIDA DESCRIPTION
352	<i>Mycoplasma suis</i> (formerly <i>Eperythrozoon suis</i> ) infection (1,7,8,11)
492	Mulberry heart disease (3,5,8,)
624	Endocarditis: includes, <i>Erysipelas</i> , <i>S. suis</i> and vegetative lesions of unknown aetiology (3,8)
625	<i>Thrombocytopaenic purpura</i> : isoimmunisation (1,2,3,4,5 6,7,8,11)
724	Lymphosarcoma (2,4,8)

### **Group 8: Disease of the Blood and Lymph Circulatory and Poietic System**

VIDA NO	VIDA DESCRIPTION
	OTHER SUBJECTS ADDED INCLUDE
8001	Anaemia: includes cardiac failure and iron deficiency anaemia (2,5,8)
8002	Haemorrhage: includes <i>A. suis</i> , CSF, <i>E. coli</i> , gastric, kidney, liver, myocardial, pancreatic, subcutaneous and sub-mandibular haemorrhage, navel bleeding, Coumarin toxicity, Warfarin (1,2,3,4,5,7,8)
8003	Congenital abnormalities: includes foramen in heart, hole in heart and sub-aortic stenosis (8)
8004	EMCV (8)
8005	Cardiomyopathy: includes bracken poisoning, congestive heart failure, copper toxicity, flaccid heart, FMD "tiger heart", heart muscle necrosis, myocarditis, oedema of neck, PCV2, PSS and Vit D overdose (8)
8006	Lymph nodes and thymus: includes abscesses, acute erysipelas, calcification, congestion, enlargements, granulomas, inguinal, lymphosarcoma, melanoma, melioidosis, PDNS, PMWS, sepsis, <i>S. suis</i> and TB (8,11)
8007	Miscellaneous: includes aortic atheroma, aortic rupture, enlarged thymus, heart lesions, lymphangitis, oedema, PSS and thrombosis (8)
8008	Normal: includes heart valves, normal gut lymphatics and tonsil (3,8)
8009	Notifiables: includes lesions in spleen and lymph nodes from ASF and CSF (8)
8010	Pericarditis: includes Glasser's disease, PMWS, polyserositis and <i>Trueperella</i> (8)
8011	Spleen: includes BVD, <i>E. coli</i> septicaemia, Erysipelas, haematoma, infarcts, melioidosis, peri-splenitis, Salmonella, TB and torsion (1,2,8)

### **Group 9: Disease of the Reproductive and Mammary System**

VIDA NO	VIDA DESCRIPTION
003	Fetopathy diagnosis not listed: includes aborted sows, Aujeszky's, crushed piglets, CSF, <i>E. coli</i> , foetal deaths, immature foetus, mummified litters, necrotic placentitis, piglets in membranes, purulent metritis, SMEDI, strangled foetus, and stillbirth (1,3,9)
004	Fetopathy diagnosis not reached: includes anasarca, autolysed piglet, haemorrhagic ovaries, infected uteri, mummification, pig placentas, piglets with "slippers" and "stillborn lungs and trachea" (3,9)
015	Fetopathy: <i>Leptospira</i> includes <i>pomona</i> (2,3,9)
016	Fetopathy: <i>Listeria</i> spp (9)
022	Fetopathy: <i>Erysipelothrix</i> spp
024	Fetopathy: <i>Streptococcus</i> spp
030	Fetopathy: fungi (mycotic abortion) includes <i>Aspergillus</i> (9)
032	Fetopathy: <i>Pasteurella</i> spp
035	Fetopathy: PRRS virus (1,9)
037	Fetopathy: Parvovirus (9,11)
042	Fetopathy: PCV2
680	Metritis: includes ASF, <i>E. coli</i> , endometritis, metritis, post-service infections, pyometra and vaginal discharge (1,2,9,11)
687	Mastitis: coagulase-positive Staphylococci (1)
689	Mastitis: <i>E. coli</i> (1,9)
690	Mastitis: organism includes <i>A. lignieresii</i> , abscesses, <i>Actinomyces</i> , acute mastitis and gangrene (1,9)
697	Mastitis: <i>Klebsiella</i> spp. (1,9)
698	Mastitis: <i>Trueperella pyogenes</i> (1,9)
701	Orchitis/epididymitis: includes <i>Brucella suis</i> , Chlamydiosis, granulomas and TB

OTHER SUBJECTS ADDED INCLUDE

- 9001 Caesarean section (1)  
 9002 Nipples and teats: includes aplasia of teats, enlarged teats, effect of oestrogen, hard udder, inverted nipples, milking teats, necrotic nipples, poor teat exposure when suckling, super-numeraries, teat damage, teat infections, teat lesions, teat sucking, teat stunting and too few nipples (1)

**Group 9: Disease of the Reproductive and Mammary System**

VIDA NO	VIDA DESCRIPTION
9003	Normal features: includes AI, back pressure test, biopsies, crates, farrowing, foetal sacs, gilt on heat, normal ovaries, placentae, pregnancy, reproductive tract, sow farrowing and feeding litter, stalls, suckling piglets, uterine "plaques" and well-developed glands (1,9,11)
9004	Ovaries and uteri: includes conjoined ovaries, cystic hyperplasia, cystic ovaries, many varieties of ovary, oviduct <i>in situ</i> , prolapse, pyometra, ruptured uterus, sow cervix, <i>unicornis</i> , uterine and ovarian haemorrhage and uterine infection (1,9)
9005	Udder: includes agalactia, haemorrhagic syndrome, hard udder, hyperaemia, hypoplasia, non-functional glands, oedema, photo-sensitisation and resin casting (1,9)
9006	Vagina and Vulva includes: discharge, enlarged vulva, fusariotoxicosis, haemorrhage, infection, intra-vulval injection, partial stenosis, prolapse, recto-vaginal fistula, swollen vulvas due to oestrogenism (zearalenone), upturned vulva, vulval biting, vulval haematoma and vulval necrosis (1,9)
9007	Miscellaneous: foetal and neonatal includes omphalo-phlebitis, thrombosis of umbilical cord and weak litter (1,9)
9008	Miscellaneous male: includes atrophy, castration, Chlamydiosis, homosexuality, hydrocoele, oedema, papillomatosis, "pendulous scrote", necrotic penis, normal male system, penile injuries and ruptures, preputial ulcers, scrotal hernias, testicles of abnormal sizes, testicular hypertrophy, testicular tumour (haemangiomas) and vasectomy (1,9,11)
9009	Miscellaneous female: ultra-sound scans (1)
9010	Hermaphrodites and pseudo-hermaphrodites (1,9)

**Group 10: Welfare**

VIDA NO	VIDA DESCRIPTION
	ADDED AS A NEW CLASS
10000	Biosecurity birds: includes contamination from bird faeces (indoors and outdoors), open eaves and outdoor bird populations
10001	Biosecurity other animals: includes badgers, cows, deer, fly and larval infestation, foxes, humans, mice, rats and wild boar
10002	Biosecurity other pigs: includes, dead pigs left <i>in situ</i> , new introductions, nose to nose contact, pigs in troughs, wallows
10003	Disease and bad health: includes, arthritis, badly sited arks, bedsores, boar tusk, boreholes, bush foot, castration, casualties, condition scoring, crushing, difficult micturition, dirt, drugs, elbow lesions, emaciation, excess humidity, farrowing crate injury, fat sows, faulty injections, feet lesions, filthy water supplies, fire effects, foreign bodies, hyperthermia, injection abscesses, lack of bedding, neck tethers, outdoor swamps, overcrowding, perineal contamination, poor housing, poor hygiene, pressure sores, rectal prolapse, salt deficiency, shoulder sores, skin trauma, sunburn, TB infected housing, teeth clipping, tethers, thin sows, traumatic lesions, troughs, unthrifty weaners, vaccine reactions, wasting (ill thrift), water deprivation (salt poisoning) and wounds
10004	Equipment: includes bleeding, bedding, cages, captive bolt, creepers, drinkers, farrowing crates, fencing, floors and slats, free-range, fridges, gates, gnotobiotic tent, grower pens, hospital accommodation, kennels, lighting, loading, lorries, medicine storage, outdoor pictures, overheating, pen design, pigs huddling, pipeline feeding, poor lighting, rooting rings, shelves, showers (human), snout catching, solari house,



- 10005 sow yards, stalls, stomach tubes, straw deficiency, straw yards, slurry lagoon, sunshades, swill feeding, teeth cutters, toys, trough space, water sampling, whey tank Contamination and filth: includes contaminated feed sacks, dirty feeders, dirty troughs, dung, environmental hazards, pigs in feeders, pipeline feeder, muck spreading, rubbish, slurry and wet straw
- 10006 Normal: includes, examinations, free range pigs, happy pigs and ideal environment
- 10007 Vices: includes aggression, bar biting, cannibalism, ear biting, fighting, flank biting, mandibular mal-alignment, prepuce sucking, savaging, tail biting and vulval biting

### **Group 11: Histo-pathology**

This section has been added to include the pictures that we have archived of other items. These include histopathology, bacterial cultures, pictures of nematodes and other species and ectoparasites.

They are listed with reference to the system where they primarily occur and therefore there is no 11001.

VIDA NO	VIDA DESCRIPTION
11000_2	Includes the digestive system disorders: Adenovirus, Anisakiasis, <i>Ascaris suum</i> , Aujeszky's disease, autolysis, <i>Balantidium coli</i> , bitumen toxicity, <i>B. hyodysenteriae</i> , <i>Brachyspira pilosicoli</i> , Campylobacter, Candidiasis, chronic inflammation, Clostridia, Coccidiosis ( <i>Eimeria</i> and <i>Isospora</i> ), Coronavirus, Cryptosporidiosis, CSF, Echinococcus, <i>E. coli</i> , enterococcal enteritis, fungal infection, gastric ulcers, <i>Giardia</i> , <i>Hepatitis dietetica</i> , <i>Hyostrongylus rubidus</i> , <i>Lawsonia</i> (HE, RI, PHE), Melioidosis, miscellaneous liver disorders, necrotic villi, non-specific colitis, non-specific pathology, pancreatic atrophy, PED, Peyer's patches, Rotavirus, <i>Salmonellae</i> , TGE, Thorny-headed worm, <i>Tricuris suis</i> and villus atrophy
11000_3	Includes the respiratory diseases: APP, Anthrax, Ascarids, <i>Aspergillus</i> , <i>A suis</i> , Aujeszky's, autolysis, <i>Chlamydia</i> , <i>H. parasuis</i> , Inclusion Body Rhinitis (PCMV), metastrongyles, <i>M. hyopneumoniae</i> , <i>P. multocida</i> , normal, pleurisy, <i>Pneumocystis carinii</i> , PCV2 (PMWS), PRCV, PRRS, Porcine Stress Syndrome, rhinitis, swine influenza, TB, water dropwort poisoning
11000_4	Includes the urinary diseases: cystic kidney, interstitial nephritis, glomerulo-nephritis, lead inclusions, <i>Leptospira</i> , lymphosarcoma, nephrosis, ochratoxicosis, PCV2 (PMWS), PDNS (PCV2), tubular necrosis and vitamin D toxicity
11000_5	Includes the musculo-skeletal diseases: bone infection, disco-spondylosis, <i>M. hyosynoviae</i> , and myopathy, OCD, PSS, sarcocystis, tendinitis and <i>Trichinella spiralis</i>
11000_6	Includes the nervous and special sense diseases: Aujeszky's, bowel oedema, CSF, encephalitis, enterovirus, fibro-cartilaginous embolism, haloxon toxicity, pantothenic acid deficiency, rabies, salt poisoning, spinal cord lesions, <i>Strep. suis</i> , Talfan/Teschen, and toxoplasma
11000_7	Includes the skin diseases: iron granuloma, <i>Sarcoptes</i> , <i>Spirochaetes</i> and <i>Variola</i> blisters
11000_8	Includes the cardiovascular and lymph diseases: aortic lesions, bracken poisoning, CSF, MHD, myocarditis, PCV2/PMWS, PSS, <i>Strep suis</i> endocarditis and TB granulomas
11000_9	Includes the reproductive diseases: ovarian pictures, testicular tumours, Trichomoniasis pictures and vaginal biopsy