



## THE ADFH VETERINARIAN TRAINING PROGRAM

The ADFH Veterinarian Training Program shall be a comprehensive and profoundly interactive education in both theory and practice of Avian Medicine. There shall be two theory classes of 90 minutes duration each on Mondays and Wednesdays every week. There shall be handouts of learning material during these theory sessions. The trainees are expected to complete assignments at the end of each week (the topics for these assignments will be given at the beginning of each week). These assignments shall be in the form of lectures given as presentations by the trainees at the end of every week on Thursdays. The trainees are encouraged to refer to the extensive Avian Medicine library in ADFH in preparation for their training and for the assignments.

### SYLLABUS FOR THE 8-WEEK EXTERNSHIP

#### Theory classes:

##### **Class 1: Anatomy of birds**

Re-introduction to the Anatomy of birds highlighting the differences between birds and mammals that helps in making a specialist approach to birds as patients.

##### **Class 2: Physiology of birds**

Normal Avian Physiology is discussed with special emphasis on Avian Respiratory system and Avian Gastro-Intestinal system

##### **Class 3: Identification of species, determination of age and CITES regulations**

We shall discuss about different species of falcons, approximation of their age and about the CITES laws that restrict the transportation of wild species of falcons across national borders.

##### **Class 4: Handling and restraint of birds**

Handling and restraint of different species of birds for examination and treatment is a very important part of any avian practice. We shall discuss the various methods of avian handling and restraint.

##### **Class 5: Clinical sampling from birds**

We shall discuss the correct procedures and purposes for clinical sampling from birds including blood collection, collection of fecal and crop samples, cloacal swabs etc.

##### **Class 6: Parasitology of falcons**

A comprehensive review of Avian Parasitology especially the endoparasites and exoparasites of falcons.

##### **Class 7: Bacteriology of falcons**

A comprehensive review of avian clinical bacteriology and the various bacterial diseases affecting falcons.

##### **Class 8: Viral diseases of falcons**

We discuss the common viral diseases of falcons and the diagnostic tests and clinical sampling for these viruses.



### **Class 9: Fungal diseases of falcons**

We shall discuss the diagnosis and treatment of various fungal diseases in falcons with special emphasis on Aspergillosis and Candidiasis.

### **Class 10: Radiography in falcons**

We shall concentrate on the radiography as a diagnostic tool, the positioning of avian patients for radiography, methods of radiography and the safety measures during radiography. We shall also discuss some cases studies with the help of radiographs

### **Class 11: Endoscopy as a diagnostic tool**

We shall study the use of endoscopy as a diagnostic tool, different methods of endoscopy in falcons and diagnosis of various diseases by endoscopy in falcons.

### **Class 12: Anesthesia and soft tissue surgery in falcons**

We shall study the use of Isoflurane as inhalation-anesthetic, the common soft tissue surgical procedures performed in falcons including bumble-foot surgery, amputation of digits and surgery for minor injuries like keel injury.

### **Class 13: Orthopedic surgery in falcons**

We shall concentrate on the diagnosis and treatment of fractures with emphasis on the different methods of fracture fixation in birds

### **Class 14: Post mortem examination as a diagnostic tool**

Autopsy is a very important diagnostic tool to determine the cause of death and we shall discuss the standard autopsy protocol for falcons

### **Class 15: Intensive care of sick falcons**

In this important class we discuss the proper method of care and management of sick birds under intensive care with special emphasis on falcons.

### **Class 16: Imping and Coping in falcons**

We shall discuss the purpose and methodology of the procedure of Imping and Coping in falcons

**Please note that the trainees shall be having practical sessions based on these theoretical lessons every day at the inpatient wards, the ADFH outpatient clinic and will be actively included in the ADFH routine medical procedures.**