Feline asthma
Feline asthma is a term used to describe a number of conditions generally affecting the airways in the lungs. It is also known as feline chronic small airway disease, feline bronchitis and allergic airway disease. It occurs when the smooth muscle in the airways contracts, leading to increased production of mucus and inflammation of the airway tissue. As a result, the airways become narrowed and the cat develops difficulty with breathing. It can affect cats of all types and ages but Siamese cats tend to be more commonly affected.

**What causes feline asthma?**
The exact cause of feline asthma is not completely understood. In some cases it may be an allergic response to an irritant but in others no allergic cause can be found. Possible irritants include pollens, dust, cigarette smoke and some household sprays.

**What are the signs?**
The signs can vary and include:

- an ongoing cough
- wheezing
- laboured breathing or respiratory distress occurring suddenly and without warning
- increased rate and effort of breathing

Signs can be mild and ongoing and may not be noticed by owners for some time – they often come and go.
How is it diagnosed?
Other conditions which may cause similar signs – such as bacterial infections, lungworm or heart disease – should be ruled out before making a diagnosis of asthma. If these are ruled out, further examination will be required. As part of the examination your cat may need to be sedated or anaesthetised. This will allow your vet to take x-rays to look for changes in the airways.

Not all cats show changes so your vet may also suggest passing a tiny camera – called a bronchoscope – down your cat’s windpipe and/or collecting a fluid sample from the airways. These techniques allow your vet to inspect the airways and retrieve fluid to examine under the microscope. This provides useful information on the type and number of inflammatory cells present, which will indicate whether asthma is a likely diagnosis. The fluid collected can also be cultured for bacteria to identify any possible infection.
How is it treated?
Most cats diagnosed with asthma will require treatment to control their coughing and wheezing and prevent permanent, harmful changes occurring within their lungs. If you are aware of an irritant that triggers your cat’s asthma, this should be avoided or attempts made to reduce your cat’s exposure to it. For example, if pollen triggers the asthma, outside access could be limited while pollen levels are at their height. Avoid subjecting the cat to cigarette smoke, household sprays and dusty cat litter where possible.

Treatment may include:

• **anti-inflammatory drugs** in the form of steroids. These can be given in tablet form, by injection or by use of an inhaler. Inhalers that are specifically designed for cats are available and most cats tolerate them well – this may be easier than giving tablets in the long term. Anti-inflammatory drugs help to reduce the inflammation within the airways and help to dissolve mucus
• **bronchodilators** that open up narrowed airways can be used alongside anti-inflammatory drugs. They too can be in the form of tablets, injection or inhalers
• **mucolytics** can be added to your cat’s food as a powder. They help to break up the mucus which is produced in the airways
What does the future hold?
In the majority of cases feline asthma can be well controlled with appropriate medication and the affected cat will lead a normal healthy life.

However, it is important that treatment is started as soon as possible as an ongoing, untreated condition may permanently damage and scar the airways and sudden asthma attacks can prove fatal.

Learn more about your cat online!
Take a look at our free interactive tool to help you understand cats’ origins and their behaviour within our homes. http://learnonline.cats.org.uk/content/ufo
ESSENTIAL GUIDES

1. Caring for your cat 84001
2. Welcome home 84002
3. Moving house 84003
4. Feeding and obesity 84004
5. Keeping your cat safe 84005
6. Neutering – family planning for felines 84006
7. When to let go 84007
8. Microchipping 84008
9. Understanding your cat’s behaviour 84009
10. Managing your cat’s behaviour 84010
11. Cats living together 84011
12. Indoor and outdoor cats 84012
13. Cats and the law 84013
14. Cats and people 84014
15. Caring for your kitten 84015
16. Elderly cats 84016
17. Feral cats 84017
18. Pregnant cats, birth and care of young kittens 84018

VETERINARY GUIDES

1. Arthritis 83201
2. Feline Lower Urinary Tract Disease (FLUTD) 83202
3. Diabetes 83203
4. Itchy cats and skin disorders 83204
5. Feline Parvovirus (FPV) 83205
6. Kidney or renal disease 83206
7. Cats with disabilities 83207
8. Hypertension 83208
9. Feline Immunodeficiency Virus (FIV) and Feline Leukaemia Virus (FeLV) 83209
10. Feline Coronavirus (FCoV) and Feline Infectious Peritonitis (FIP) 83210
11. Heart murmurs and heart disease 83211
12. Hyperthyroidism 83212
13. Feline asthma 83213
14. Teeth and oral health 83214
15. Fleas and other parasites 83215
16. Cat flu 83216
17. Infectious disease and vaccination 83217
18. Digestive disorders – vomiting and diarrhoea 83218
19. You and your vet 83219
20. Cats and pregnant women – Toxoplasmosis 83220

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