

# Old Dog. New Tricks...



Your guide to  
Osteoarthritis in dogs

**chanelle**  
PHARMA

*Brought to you by Chanelle*

**OSTEOPEN®**

## OSTEOARTHRITIS OVERVIEW

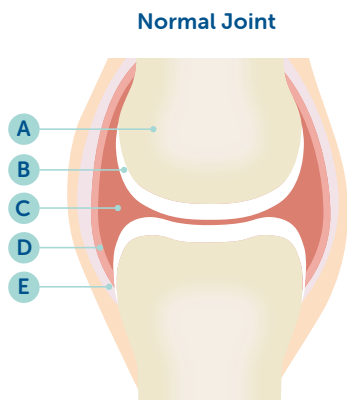
Osteoarthritis (OA) is the most common form of arthritis. It is a degenerative joint disease that is defined as a progressive destruction of cartilage that surrounds the joints of the body.

There are multiple causes of OA, including the following:

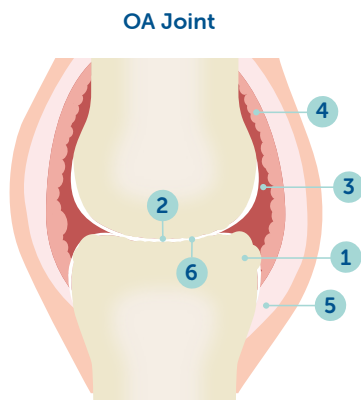
- **Trauma**
- **Infection**
- **Age-related degeneration**
- **Obesity**

OA can lead to pain, lameness, joint inflammation and reduced mobility. This can then result in a reduced quality of life for your dog.

## THE EFFECT OF OSTEOARTHRITIS ON THE JOINT



- A** Bone
- B** Cartilage
- C** Synovial fluid
- D** Synovial membrane
- E** Capsule

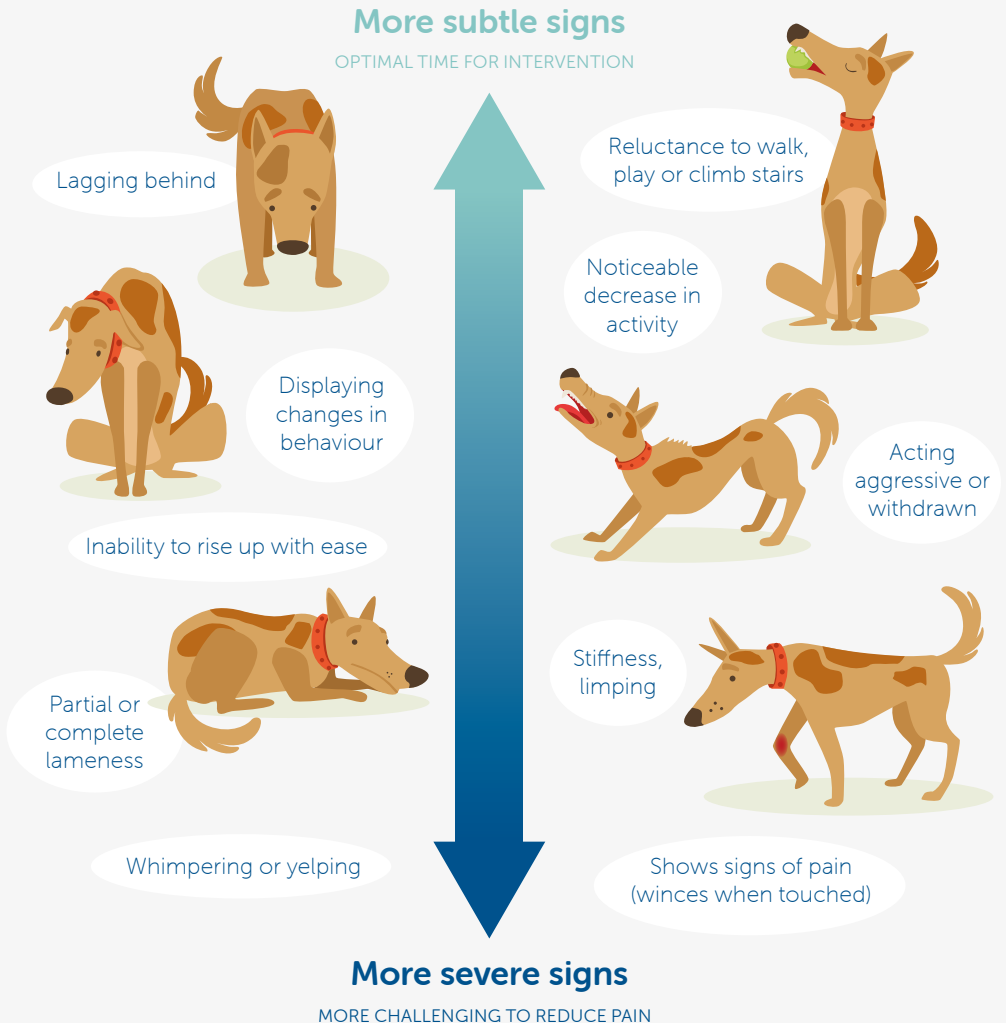


- 1** Osteophyte / Thickened bone
- 2** Destroyed cartilage
- 3** Reduced viscosity of synovial fluid
- 4** Inflamed synovium
- 5** Thickened capsule
- 6** Narrowed joint space

## SIGNS & SYMPTOMS OF OSTEOARTHRITIS IN DOGS

It can be difficult to spot the signs of OA as they may be subtle and can be confused with other symptoms or dismissed as "just getting old". It is important to spot these signs early, so that OA can be treated and the progression of the disease slowed down. Once the protective function of the cartilage has started to be lost, it is very challenging to return to a healthy joint.

Here are some of the signs that should be looked for. Remember, just one of these signs can indicate pain associated with OA in your pet.





A photograph of a dirt path winding through a forest in autumn. The ground is covered with fallen brown and orange leaves. The trees in the background are out of focus, showing warm orange and yellow foliage. The overall lighting is soft and warm, creating a serene atmosphere.

Osteoarthritis is a complex condition and requires medical treatments, complimentary therapies and lifestyle changes.

**With careful management your dog can continue to enjoy life in every way.**





## TREATMENT & COMMON QUESTIONS

OA is a complex condition and requires multimodal management combining medical treatments, complimentary therapies and lifestyle changes. Osteopen should be considered in all appropriate osteoarthritis cases as its mode of action should help as part of this multimodal management.

Osteopen 100 mg/ml Solution for injection for dogs contains the active ingredient pentosan polysulphate sodium (PPS) and is indicated for the treatment of lameness and pain of osteoarthritis and related musculoskeletal disorders.



## How does Osteopen work?

Osteopen has been shown to exhibit the following actions:

- Stimulates the production of Glycosaminoglycans (GAGs) and Hyaluronic Acid (HA). These are building blocks for cartilage and joint fluid
- Has anti-inflammatory and pain relief effects
- Stimulates blood flow to cartilage resulting in pain relief and regenerative effects

## How is Osteopen used?

Osteopen is given by subcutaneous injection. A course of 4 injections should be given, with 5-7 days between each injection.

## How often do I need to use Osteopen?

It is recommended to repeat the course of 4 injections between once and three times a year. Regular assessments will allow monitoring of pain, response to treatment and aid the timing of courses.

## How long do the effects of Osteopen last?

- Improvement in clinical signs is usually seen after the third or fourth injection
- This improvement is usually maintained for one to six months following a single course of injections



## Do I need to use other drugs?

There are many options used in the management of arthritis cases in animals. This may include weight loss, exercise and lifestyle changes, physiotherapy, joint supplements and nutraceuticals. Osteopen can be useful as part of this multi-modal management. Your veterinarian will advise you on the most suitable pain management plan for your dog.

## Do I need to use Osteopen if my dog is only showing intermittent pain?

- Intermittent pain can be caused by many conditions including OA. Confirming a diagnosis of Osteoarthritis is always important. Your vet will discuss with you the signs you have noticed, perform an examination of your pet and may suggest other investigations such as xrays.
- Arthritis in animals can often cause a long term, persistent, dull, background pain, similar to some forms of arthritis in people. It may be difficult to spot the signs of early arthritis in these cases (this is where a pain scoring chart and discussions with your vet can be useful). Due to this background pain, the body's susceptibility to further damage and its impaired ability to deal with any damage, many cases will get 'flare-ups' of arthritis which can be more easily seen. This may be the reason for the intermittent lameness.
- Careful multimodal management of arthritis should result in reduced subtle, background, sub-clinical pain and lower rate of 'flare-ups'
- As arthritis is a progressive disease, it is important to start treatment early in the disease process and Osteopen should be considered as



## My dog has severe arthritis. Will Osteopen help?

- Severe arthritis is a painful and debilitating condition. Osteopen needs to be considered for the long term management of suitable osteoarthritis cases. However, its mode of action can take some time to provide visible effects and it is important to consider its use alongside other treatments that your pet may require. These may include strong and fast acting pain relief medications and other complimentary therapies such as physiotherapy.
- It is important to discuss your dog's immediate requirements with your vet and also form a longer term arthritis management plan which may include Osteopen.

Notes....

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Make the most of  
every season with help  
from Osteopen





Please speak to your vet if  
you have any concerns  
regarding osteoarthritis or  
the treatment available.



**Contains:** Pentosan Polysulphate Sodium 100 mg/ml. **Target species:** dogs. Indications for use: the treatment of lameness and pain of degenerative joint disease/osteoarthritis (non-infectious arthrosis) and related musculoskeletal disorders by therapeutic activity on the underlying pathological processes (disease modifying osteoarthritis drug) in the dog. Refer to product packaging and leaflets for full indications, side effects, precautions, warnings and contra-indications. **Use medicines responsibly.** Further information can be found on the datasheet, SPC or at [www.chanellepharma.com](http://www.chanellepharma.com). **Distributed by:** Chanelle Pharmaceuticals Manufacturing Ltd, Loughrea, Co. Galway, Ireland. UK: Vm 08749/4086 Copyright ©Chanelle 2020 All rights reserved.

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