

A brown and white dog, possibly a Border Collie, is captured mid-jump in a lush, green forest. The dog's front paws are extended forward, and its mouth is open in a playful expression. The background is a soft-focus forest scene with mossy logs and vibrant green foliage.

Unleash your dog's full potential

Zurich Cementless Hip Replacement System

A permanent solution to
canine hip dysplasia to relieve
your companion's pain and
allow them to play and run again.

KYON

Leading veterinary
orthopedic solutions

Understanding Hip Dysplasia

What is canine hip dysplasia?

Hip dysplasia in dogs is a genetic disease that results in an abnormal formation of the hip joint(s). The hip joint functions as a ball and socket that should work together by sliding smoothly. When the ball and socket do not fit

together or develop properly, the joint rubs and grinds against each other and results in the deterioration of the joint. This lifelong condition not only deteriorates the joint but also diminishes your dog's active life.



Normal Hip



Severe hip dysplasia

Dysplasia is progressive and arthritic changes worsen year after year.

What causes hip dysplasia?

Various factors contribute to the development of hip dysplasia, but the leading factor is genetics. Hip dysplasia can be present in the canine genome even if the parents are not affected. The severity of the disease can be influenced by the environment and worsened by excessive body weight and activity. Many breeds can be affected, like Labrador, Golden Retriever, Bulldog, German Shepherd, Rottweiler, Border Collie and many other including small breeds and mongrels. In the United States 20-30% of dogs are impacted by canine hip dysplasia.

«Dogs that had been described as «quiet», «lazy» or «grumpy» that underwent hip replacement surgery began to act like their younger, happier and more energetic self.»

Signs and symptoms

Severe hip dysplasia can easily go unnoticed and undetected by you. Your dog could be hiding the pain for years, until the discomfort and instability gets so bad that he or she is having difficulty maintaining normal activities. Symptoms include:

- **Decreased activity**
- **Abnormal gait shifting the body weight on the fore limb by curving the spine and lowering the head while walking**
- **Difficulty with activities: raising from sitting, climbing stairs, jumping and running**
- **Lameness in the hind end when one hip gets worse**
- **Walking with short steps and running like a rabbit**
- **Enlargement of shoulder muscles (compensation)**
- **Change in personality, a once happy and excited dog becomes lethargic and unmotivated**

Typically, dogs react immediately to acute and unexpected pain, but dogs with chronic hip pain mask their discomfort until it becomes unbearable. Before then, it may seem as they act older than they are. X-ray imaging will confirm the severity of osteoarthritis.

What are potential treatment options?

When hip dysplasia and severe arthritis are treated properly by hip replacement, you can expect your dog to have a complete, functional recovery. Your dog may even return to agility and sporting activities.

Other treatment options, such as pain medication, acupuncture, physiotherapy, amputation of the femoral head (FHO) do not prevent worsening arthritis, relieve chronic joint pain, or provide a functional recovery.

Swiss made

Zurich Cementless Hip Replacement System



Our objective is to provide patients, often less than 1 year old, with a device that will last a lifetime.

After 20 years of clinical experience and feedback, we are confident that our system is up to the challenge.

Invented, developed and made in Switzerland, the Zurich Cementless THR is the most biocompatible, durable and versatile joint replacement system available.

KYON implants use the best materials available for medical implants, are manufactured from Titanium, PEEK and Ceramic. Stems and cups are coated with hydroxyapatite, a surface treatment proven to promote bone integration. Proprietary locking screws secure the stem, give the patient immediate use of their leg after surgery and reduce common complications associated with other canine THR systems. Patented geometry of the cup inlay reduces stress and wear by several fold.

Learn more at www.kyon.ch

«As in human medicine, total hip replacement has become the gold-standard for the treatment of canine hip dysplasia and severe osteoarthritis.»

Recovery after hip replacement surgery

Your dog will be able to walk out of the hospital the following day after surgery, but he or she needs rest for their hip to heal.

Most dogs feel so much better shortly after surgery that they want to play and run, but you will need to keep your dog quiet with restricted exercise for two months to ensure longterm success. This means crate rest, leash-only walks, and preventing play or rough housing with other dogs or family members. If needed, a mild sedative can be prescribed.

Complications are rare, typically occur within the first two months after surgery and are significantly reduced when you follow all post-surgical recommendations.

If a complication does occur, the Zurich Cementless hip replacement system has proven to be extremely versatile in resolving even the most complicated revisions.

Learn more at www.kyon.ch/recovering-from-surgery



X-ray image after successful total hip replacement on both hips

Success Story



When Filippa, a German Shepherd, was a puppy, she was diagnosed with hip dysplasia.

At age one, both her hips were replaced with KYON Zurich Cementless total hip implants. Still young when she got her new hips, Filippa quickly made a full recovery and has been playing and running as any other healthy dog at this age. Now three years old, Filippa has avoided the pain and limitations of disease and has a long and active life ahead of her.

«Swiss quality and highly biocompatible materials minimize the risk of infection and rejection of the implant.»

Want to learn more?

Connect with your veterinary professional or visit KYON.CH



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1

Effective

Once the diseased joint is replaced, dogs regain muscle mass and return to full activity

2

Safe

Optimal material selection of implants ensure maximum compatibility and reduce the risk of rejection

3

Tested

Over the last 20 years >20,000 dogs worldwide have been treated with the Zurich Cementless hip replacement system

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Leading veterinary
orthopedic solutions