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Why we need Zentril?





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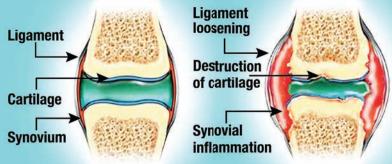






# What is osteoarthritis (OA)?

Photo below shows the comparison between HEALTHY and OSTEOARTHRITIC JOINT



**Healthy joint** 

**Damaged joint** 

OA is a slowly progressive joint disease often occurs in middle-aged to elderly people. Besides "wear and tear" of the joints, this disease is characterized by breakdown of the cartilage, bony changes of the joints, deterioration of tendons and ligaments, and various degrees of inflammation of the joint lining.4

#### Why we need Zentril?

Zentril is a special formulation for Osteoarthritic patients. The formulation comprises of TYPE II COLLAGEN and SHARK CARTILAGE (natural source of chondroitin), which has proven excellent result in restoring joint flexibility and easing inflammation.

- Better absorption
   Zentril powder to be mixed with water for better absorption.
- Sugar free
   Zentril uses oligo as a natural sweetener
   which can be taken by diabetic patients.
   Oligo acts as food for probiotics. It helps to
   cleanse our intestinal tract to improve
   absorption of nutrients.
- Delicious
   It has great and pleasant lemon flavor.
- Convenient
   It's easy to carry while travelling and to be consume anywhere.

What is collagen?

Collagen (Type II) is the basic building block in our body; it is the major structural components of **our tendons, ligaments, cartilage** and **bones.** As we age, the production of collagen in the body slows down; this results in increased degeneration in those tissues, which eventually lead to Osteoarthritis. Studies reported that Osteoarthritis is associated with the breakdown of collagen (Type II) in the body, and these collagens are excreted away through the urine of OA patients.<sup>2,3</sup> Thus, we need to replace the collagen (Type II) loss in OA patients.

#### Do you know?

Unmodified collagen is too large for the body to absorb. Hydrolyzed collagen is cut into pieces that are small enough for the body absorption. Zentril use Hydrolyzed collagen for this reason. When people take Zentril orally, the hydrolyzed collagen and other amino acids in the formulation are absorbed into the body. They act synergistically to stimulate the production of collagen, and thus rebuild joint's health. A journal article reviewed that oral administration of hydrolyzed collagen has been absorbed intestinally and accumulate in cartilage.1

# Why we need Zentril?



Fungsi Benefits of ZENTRIL 的功效

Regenerate cartilage

重建软骨

Membina semula tulang rawan

Repair tendon ligaments

修复肌腱韧带

Memperbaiki tendon ligamen

**Anti-inflammation** 

抗发炎

Anti-keradangan

Stimulate synovial fluid production

促进关节润滑液 的产量

Menggalakkan penghasilan cecair sinovial



## What is shark cartilage?

The skeletal structure of shark consists of cartilage. This cartilage is rich in Chondroitin which is the building block of the cartilage. In addition, this component also known to possess anti-inflammatory properties. Chondroitin has reported to be effective in reducing symptoms of osteoarthritis and thus ease the tingling sensation of osteoarthritic patient.<sup>5</sup>

### 什么是鲨鱼软骨?

鲨鱼的骨骼结构是由软骨组成。软骨素是软骨的主要成分,它 具有良好的抗炎效果。除此之外,研究报告显示,软骨素也能 够减少退化性关节炎的症状,从而缓解所引起的刺痛感。5

Apakah itu Tulang Rawan Ikan Jerung?

Struktur rangka ikan jerung terdiri daripada tulang rawan. Kondroitin adalah komponen utama yang terkandung dalam tulang rawan tersebut. Selain itu, kondroitin juga mempunyai fungsi anti-keradangan. Kajian menunjukkan kondroitin adalah efektif dalam mengurangkan simptom osteoarthritis dan juga mengurangkan kesakitan yang dialami oleh pesakit OA. <sup>5</sup>

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