



# For our beloved pets to stay healthy as long as possible

Supervised by Momoka Sealy, DVM.

This document is intended for product developers. The expressions described within this document are not based on the Japanese Pharmaceutical Machinery Law. It is strictly prohibited to reprint or distribute this document to general consumers without permission.

BLFA Co., Ltd.

**Not just to enable them a long life, but also to enable them a healthy and youthful life**

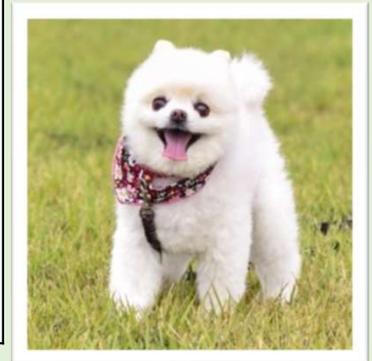


# Dogs and cats **age faster** than we humans do

Approximated age of dogs depending on size compared to human age

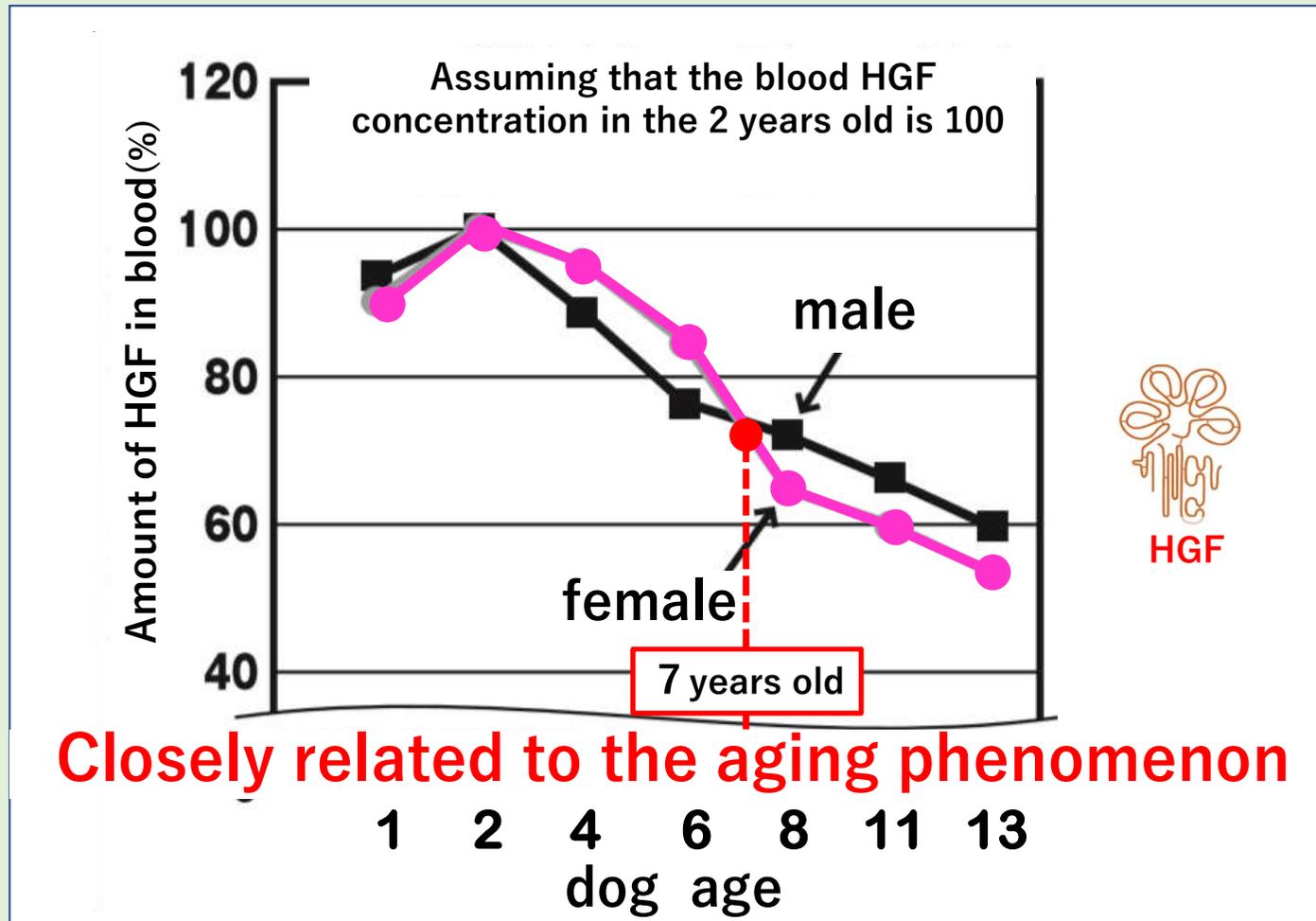


Size of Dog	Small	Medium	Large
Age of Dog	Age in Human Years		
1	15	15	12
2	24	24	19
3	28	28	26
5	36	36	40
7	42	44	54
10	56	60	75
12	64	69	89
15	76	83	100



**Illness rate increases** from around the **age of 7**

# HGF concentration in blood that decreases with dog age

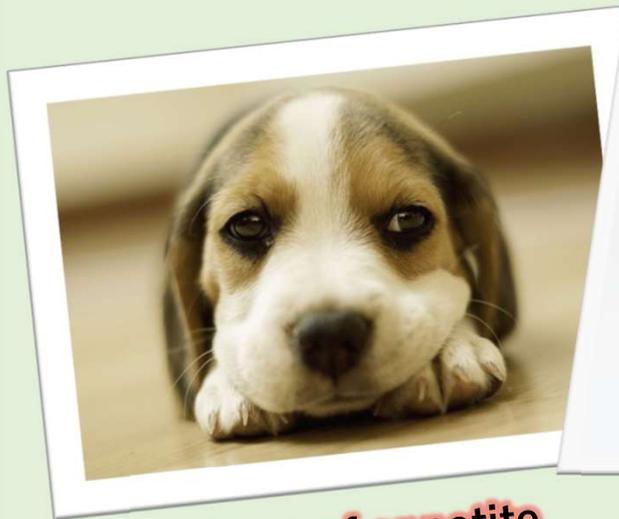


※Created with reference to human data

The management of our pets health (joints, skin, hair, heart, kidney, liver and other parts of their body) is important



Starting **the age of 10 years for small dogs, the age of 7 for large dogs , and the age of 12 for cats**, it becomes more likely for our pets to show signs of aging. There are considerable differences in the rate of aging of pets depending on their breed, the environment in which they are kept, and the health care they get from their owners. Depending on the rate of active health management of the owner fastens or delays the aging rate of pets. Is possible. Especially, health care with natural supplements is very important.



✓ Loss of appetite



✓ Movements becoming dull



✓ Bad breath became stronger



## 80% of cats over the age of 15 develop kidney diseases



Although the exact cause has not yet been elucidated, it has been reported that **80% of cats over the age of 15 suffer from chronic kidney disease**, and most older cats develop kidney problems. It is said that symptoms appear only when the kidney function is lost by about already two-thirds, which is the reason why it is a disease that is difficult to detect early.

Since HGF has been reported to act on nephron parenchymal cells to improve the pathophysiology of chronic renal failure, Ekc-1 is thought to be useful in preventing chronic renal failure in cats.



# Proof that your dog is aging

- White hair has multiplied
- The elasticity of the skin has become weaker and the skin is sagging
- The dog's eyes are getting cloudy
- The dog no longer hears so well

## Your dog

- started having problems eating hard food
- developed bad breath, which gets worse
- started to cry and howl at night
- loses more and more of its appetite
- started to crash into things and has problems moving
- doesn't react or its reaction time has slowed down
- has problems curing illnesses or convalescing
- can't use the toilet well
- is losing weight
- is sleeping more often and longer
- Age-related external anal sphincter muscle dysfunction
- Going for a walk has become a problem
- Stairs and steps create an almost insurmountable obstacle



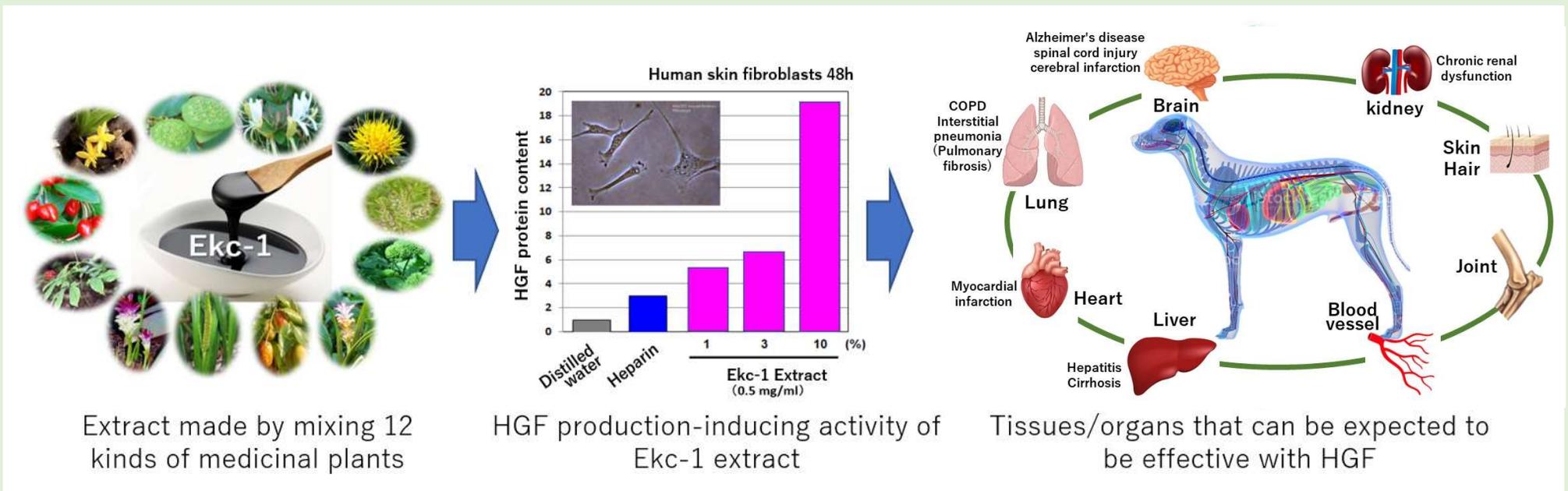
## Cats and Dogs (Pets) are animals that are closer to the wild

Unlike us humans, dogs and cats are still almost wild animals. For this reason, pets prefer natural food and substances, which also fit their bodies better than artificially created food. As for supplements used for health care, **supplements made from naturally derived ingredients such as Kampo medicine** have been long-awaited.



# Medicinal herbss extract "Ekc-1" that induces high-level production of HGF

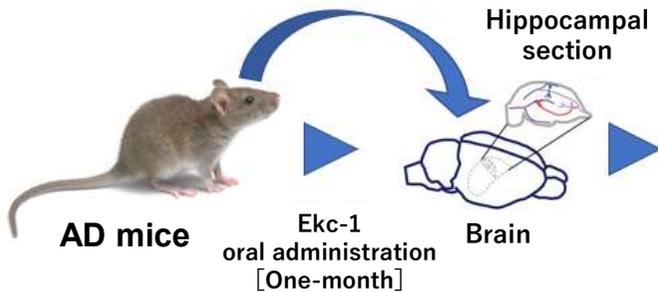
HGF (hepatocyte growth factor) is known as a factor that promotes the regeneration of injured organs, tissues and cells. The Japanese plant extract "Ekc-1" produces a large amount of HGF in the bodies of humans and pets. Ekc-1 has a strong effectivity, and it can be expected that the action of HGF produced within the body will repair and regenerate aged and damaged cells and tissues in the same way as the effect of HGF on humans.



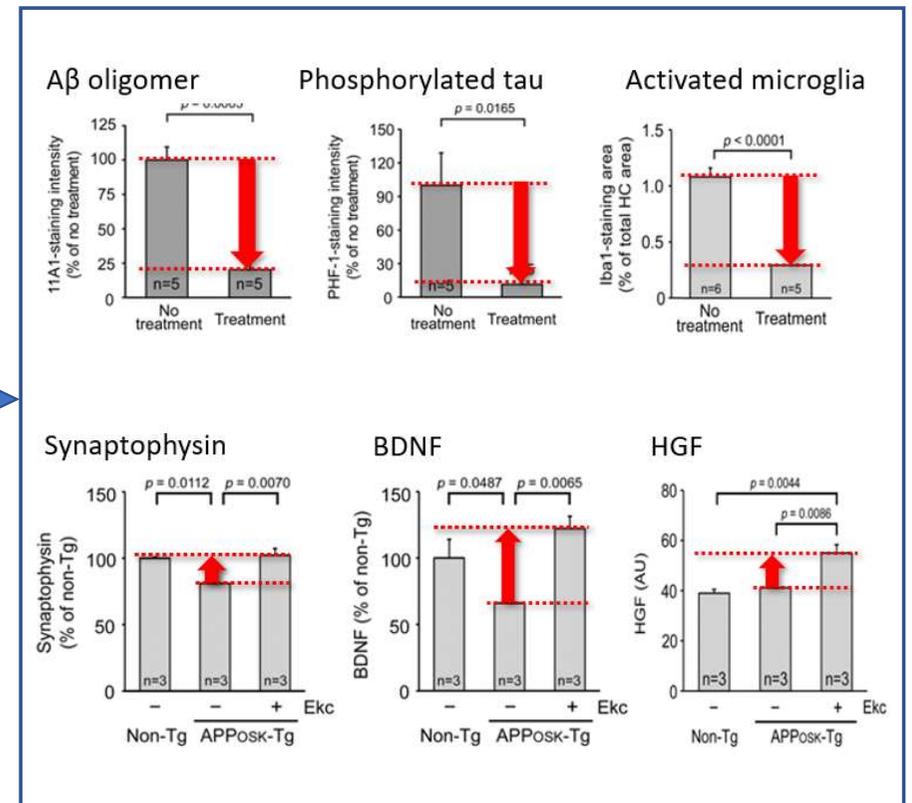
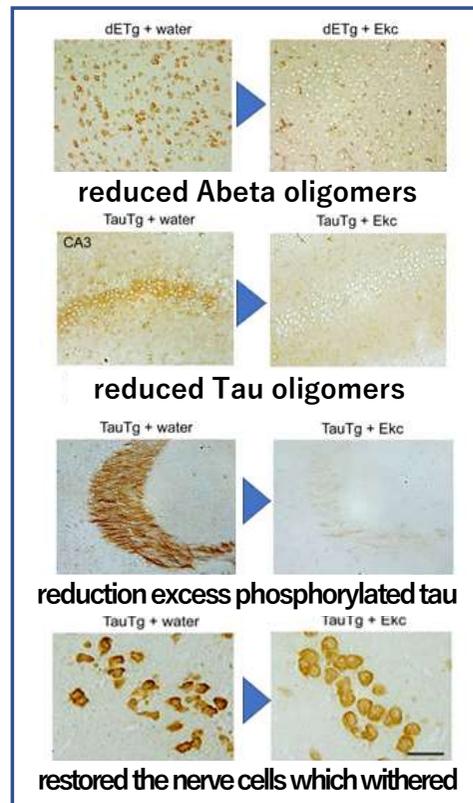
# Efficacy of Ekc-1 extract in Alzheimer's disease(AD) mice

Ekc-1 extract was orally administered (3 mg/day) to AD mice aged 11 to 14 months for one month, and after conducting cognitive function tests, brain pathology was examined by histochemical and biochemical methods.

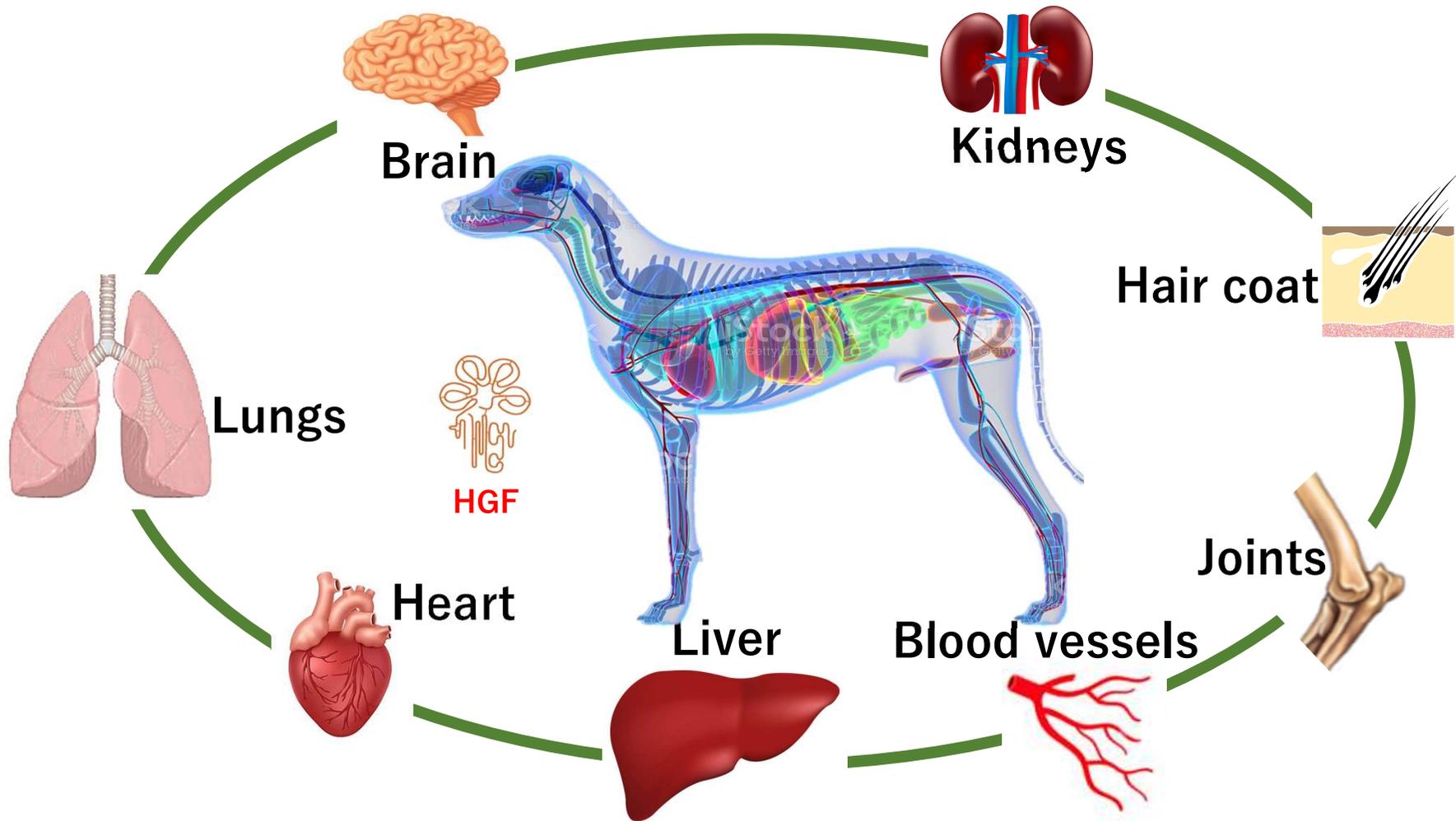
80% of dementia, mainly Alzheimer's disease, is caused by denatured proteins ( $A\beta$  oligomers, Tau oligomers, hyperphosphorylated Tau, etc.) that accumulate in nerve cells.



**Ekc-1 extract ameliorates brain pathology in AD mice.**



# Tissue regeneration and repair effect of HGF



We have developed “AniHerb”, a supplement containing 12 herbs extract that strongly support the health of cats, dogs and other pets.



# AniHerb

【Combined functional ingredients】

□ Main component: Ekc-1 extract



AniHerb product series

※image picture※



# Strongly supporting the health of cats and dogs



## AniHerb



**AniHerb product series**

※image picture※



BLFA

Better Life For Animals