

withapet[®]



Artificial Intelligence, Diagnose the heart of a companion animal.



WITHaPET™ - Listening to the sound of pet for your pet's health

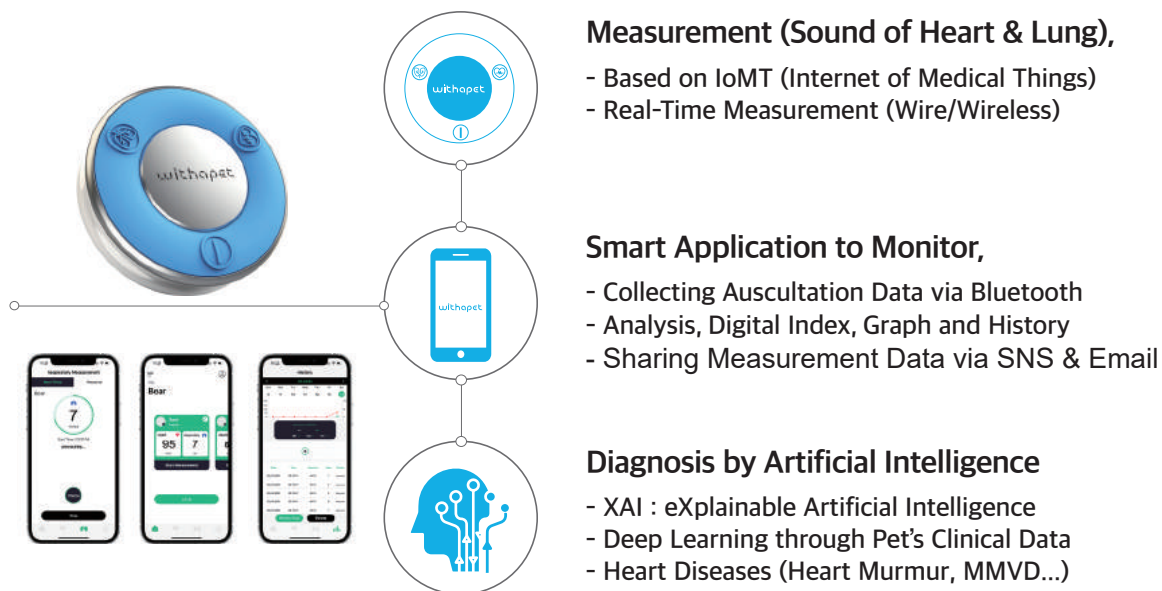
Aims to measure, collect and analyze the pet's vital signals (heart and lung) by wireless smart pet stethoscope and S/W program (Mobile Application and PC).

WITHaPET™ is optimized for companion animal's vital signals.

Key Messages for

- Hospital : The first screening at the examination room, the function of operating/recovery room monitoring
- Home : Prevention and management of chronic diseases through early diagnosis of cardiopulmonary diseases
- B2B : Preventive HealthCare Services for Insurance, Pharmaceutical, Telemedicine etc...

Main Functions



Specifications

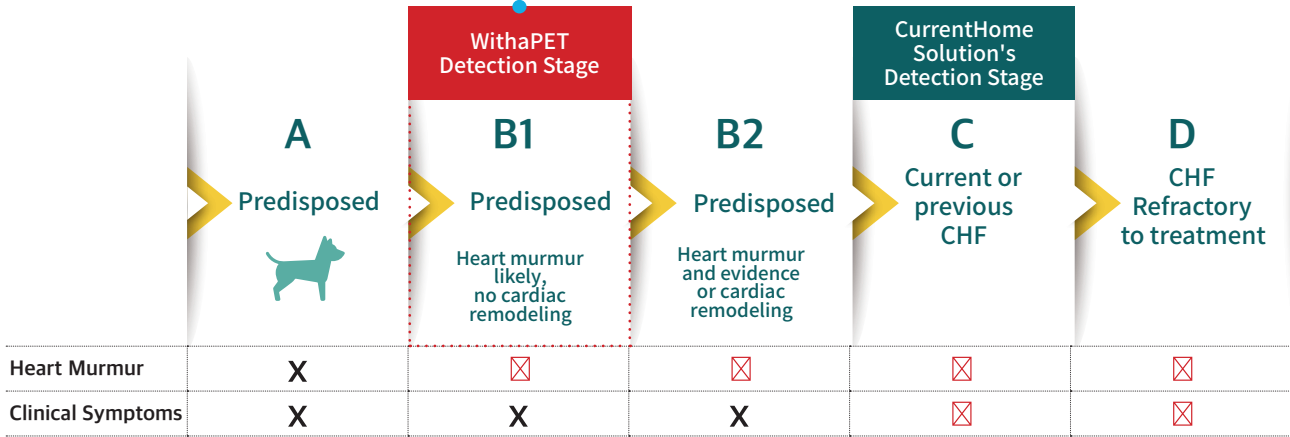
Wireless Connection	Bluetooth	BLE 5.0
Basic Specification	Size(W X D X H)	50 X 50 X 15(mm)
	Weight	22g
	Port	USB C Type
	Sensor Type	MEMS MIC
Battery	Type	Li-Ion Polymer 3.7V 130mAh
	Recharging Time	Approx. 2 Hours
	Operating Time	Approx. 8 Hours (Measurement)

Early Diagnosis of MMVD(Myxomatous Mitral Valve Disease)



WithaPET™ Hospital visit after 1st screening

- More than 90% of accuracy of Heart Diseases (Esp.MMVD) AI reading
- Stethoscopy on the fur of a companion animal, the possibility of Stethoscopy of a newborn dog/new cat under 200g



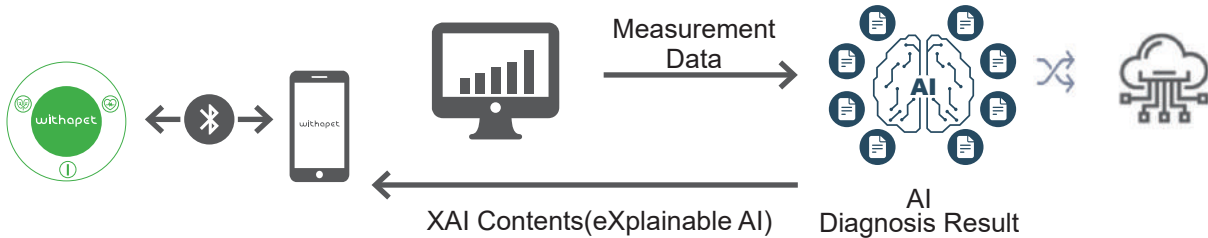
ACVIM stages of MMVD in dogs & HCM in cats

- Most of the heart disease(70%) with the highest mortality rate of dogs is MMVD, and 85% of “old small dogs” have the disease.
- 50% of all cats suffer from cardiomyopathy, auscultation can be helpful to monitor cat’s health conditions.
- The best treatment for heart disease is ‘systematic management through early diagnosis’
→ Improvement of the quality of life of companion animals and saving of time and cost for both vet and pet owner.

Pet Stethoscope

Analysis AI Solutions

AI Server/Big data (Pet’s Sound)



Veterinary Hospital	<ul style="list-style-type: none"> • Pet auscultation during reception/treatment (First Screening) • Replacement of expensive heart/respiratory monitoring devices (operating rooms, recovery rooms) • Establishment of a multi-monitoring system(recovery room, hospitalization room) • Support for veterinarian treatment through AI (Second Opinion, AI Supporting)
Home	<ul style="list-style-type: none"> • Heart disease management through measurement while sleeping of companion animals • E-transmission of measurement data to the primary veterinary hospital or veterinarian (Transferred at medical treatment) • Measurement of heart/respiratory rate for confirmation of the presence or absence of diseases (Analyzed by AI to check-up normal or abnormality, Necessity to secure golden time.)
B2B	<ul style="list-style-type: none"> • Insurance : Providing the right insurance plan to customers, Health Data Collection for plan development • Pharmaceutical : Status tracker during medication, Value added services model (Selling medicines with devices for checkup at a drugstore), Service expansion to other species (Cattle, Equine, etc.) • Telecom & Telemedicine : Value added services model (Home care, IoMT), Health Data Collection (3rd Party System Integration)