## 重心測定で、愛犬に潜在する 整形疾患や神経障害を可視化する

Orthopedic and neurological checkups for your dogs at home

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"犬は足に痛みがあると、**姿勢 (重心)** を変えて痛みを回避する" Center of mass (CoM) was shifted in dogs with limb pain





3肢にすると、**重心を変化**させて体を支える" CoM is moved when standing with one limb up



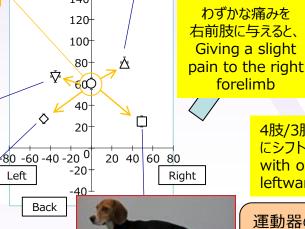
右後肢を上げる(▽) Right hindlimb up



右前肢を上げる(◇) Right forelimb up



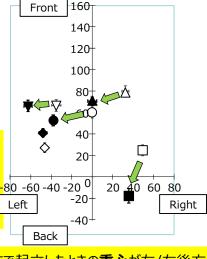




左前肢を上げる(□) Left forelimb up

Front Left Right forelimb Forelimb Left Right Left Right lindlimb Hindlimb Back 各肢への荷重 重心測定 limbs

荷重計を4枚配置 Floor is equipped with 4 load cells. CoM is calculated from each weight of 4 limbs or 3



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4肢/3肢で起立したときの**重心**が左/左後方 にシフト CoM in 4 limbs or 3 limbs with one limb up was shifted to the leftward/back-leftward

運動器のわずかな痛みを**重心の変化**とし て検出・定量化するシステムを構築 This system is useful for detection of orthopedic and neurological disorders-induced weak pain