

## Introducing “Dog/Canine Phantom”

“Dog Phantom (Canine Female)” is a realistic and anatomically correct phantom that mimics a female German shepherd breed. It is an ideal model for most of the veterinary diagnostic imaging training & research applications.

It comes in 5 different versions depending on imaging modalities:

1. Ultrasound (Part number: DG-A01)
2. X-Ray CT (Part number: DG-A02)
3. MRI (Part number: DG-A03)
4. Ultrasound and X-Ray CT (Part number: DG-A04)
5. MRI and X-Ray CT (Part number: DG-A05)

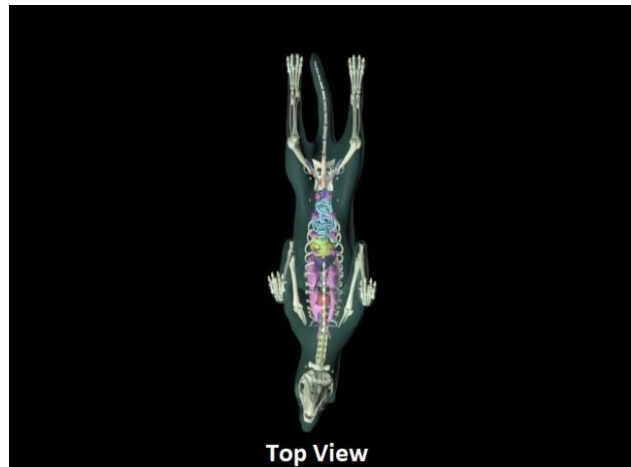
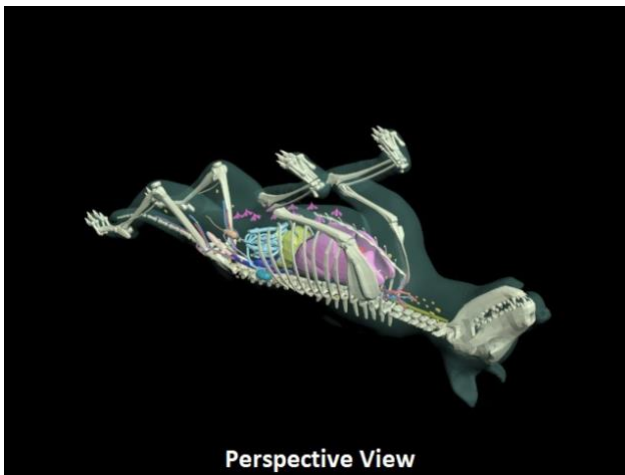
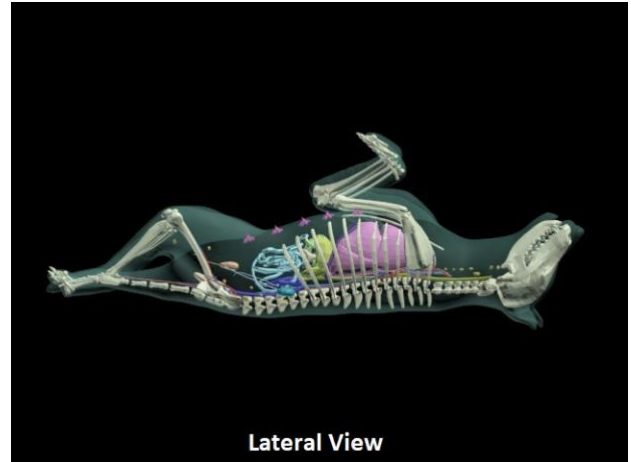
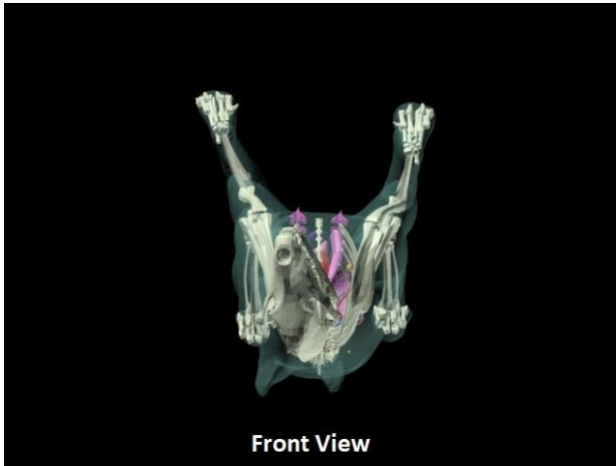
Upon special requests, we can customize it for simulating different pathologies as well as for specific trainings & research applications (Dosimetry, Radiation therapy etc.).



**Please note:** The above version, DG-A04 is compatible with Ultrasound and X-ray CT.



## ANIMATED VIEW OF THE INTERNAL STRUCTURE OF THE PRODUCT:



## DIFFERENT SIDE IMAGES OF THE PHANTOM

*(See through version for X-ray):*



**Side View**



**Lateral View**



**Top View**



**Perspective View**

## RADIOGRAPHS:



Right Lateral Skull



Right Lateral Chest



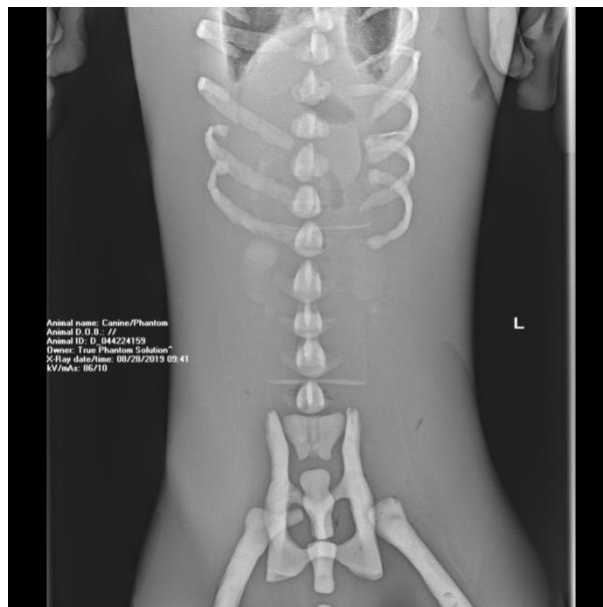
Right Lateral Abdominal



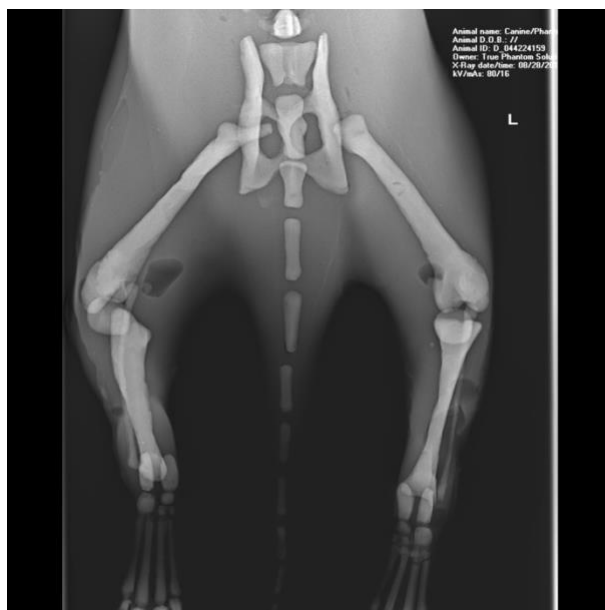
Anterior Oblique View



Ventrodorsal Chest View



Dorsoventral Abdominal View



Pelvic Hip View

## PHANTOM PICTURES

*(Black version for both US and X-ray CT):*



**Dog Positioned For Right Lateral X-ray**



**Dog Positioned For Left Lateral X-ray**



**Dog Positioned For Right Lateral X-ray**



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This model includes life-size abdominal organs & bony structures. If needed, it can be customized with expandable heart and lungs and with free fluid to learn various diagnostic imaging techniques.

## WHAT'S INSIDE THE MODEL:

- Head, Body, Tail
- Spleen, Stomach, Liver
- Skeleton
- Kidneys, Adrenal gland
- Aorta and Sub-lumbar lymph nodes
- Urinary bladder
- Descending colon and small bowel
- Duodenum, Pancreas
- Limbs
- Gall bladder
- Portal vein, caudal vena cava and lymph nodes

*(These organs can be added or removed to suit your application's requirements)*

## OPTIONAL FEATURES

### ***(Based Upon Request):***

1. Fractures, Internal hemorrhages at bilateral chambers, pelvic area, pericardial area, peri splenic areas etc.
2. Customizing the phantom to suit radiation therapy & dosimetry applications
3. Lesions and tumors at precise locations.
4. Customizing the phantom with heart & lungs motion or any internal bleeding.

## MATERIALS USED:

Soft tissue and organs

1. Composition of Urethane base resin

Synthetic bones are available in two options:

1. Composition of Urethane base plastic
2. Patented ceramic-reinforced epoxy-based composite material

## PACKAGE DIMENSIONS AND WEIGHT:

1. Size: 116 x 66 x 43 cm (approx.)
2. Weight: 55 kgs (approx.)

## INCLUDES:

1. Adult Female Dog/Canine Phantom
2. User Manual
3. Hard carry and storage case (Optional)

## SPECIAL INSTRUCTIONS:

### 1. Scanning the phantom



- This phantom is fabricated based on the anatomy of mid-sized dog of German shepherd breed.
- For X-ray applications, it is recommended to scan it under the supervision of a vet radiologist.
- For ultrasound applications, this phantom can be scanned either with or without using ultrasonic gel.



## 2. Storage and handling



- The phantom is made out of urethane-based material and it should be protected from direct exposure of any strong UV light.
- The experiments conducted on phantom can be performed in a sunny lab but it is not recommended to leave the phantom under direct sunlight for weeks or months. If the phantom is not in use, we strongly recommend storing it in a dry and dark place or cover it with a plastic sheet/foil.

## 3. Cleaning



- The phantom is water resistant and it can be cleaned after its use. It is ideal to clean it either with water or with soapy water.
- It is also quite resistant to chemicals but if stronger solvents are meant to be used with the phantom, we recommend doing a small test on the bottom part of the neck or legs. The phantom should be placed on its belly and the chosen solvent can be applied on a small selected surface of the phantom for a few hours. If there is no visible effect on the surface of the phantom it is safe to assume that the phantom is resistant to the tested chemical and it is safe to use it for the rest of phantom. In other cases, avoid the solvent or contact us for alternatives.