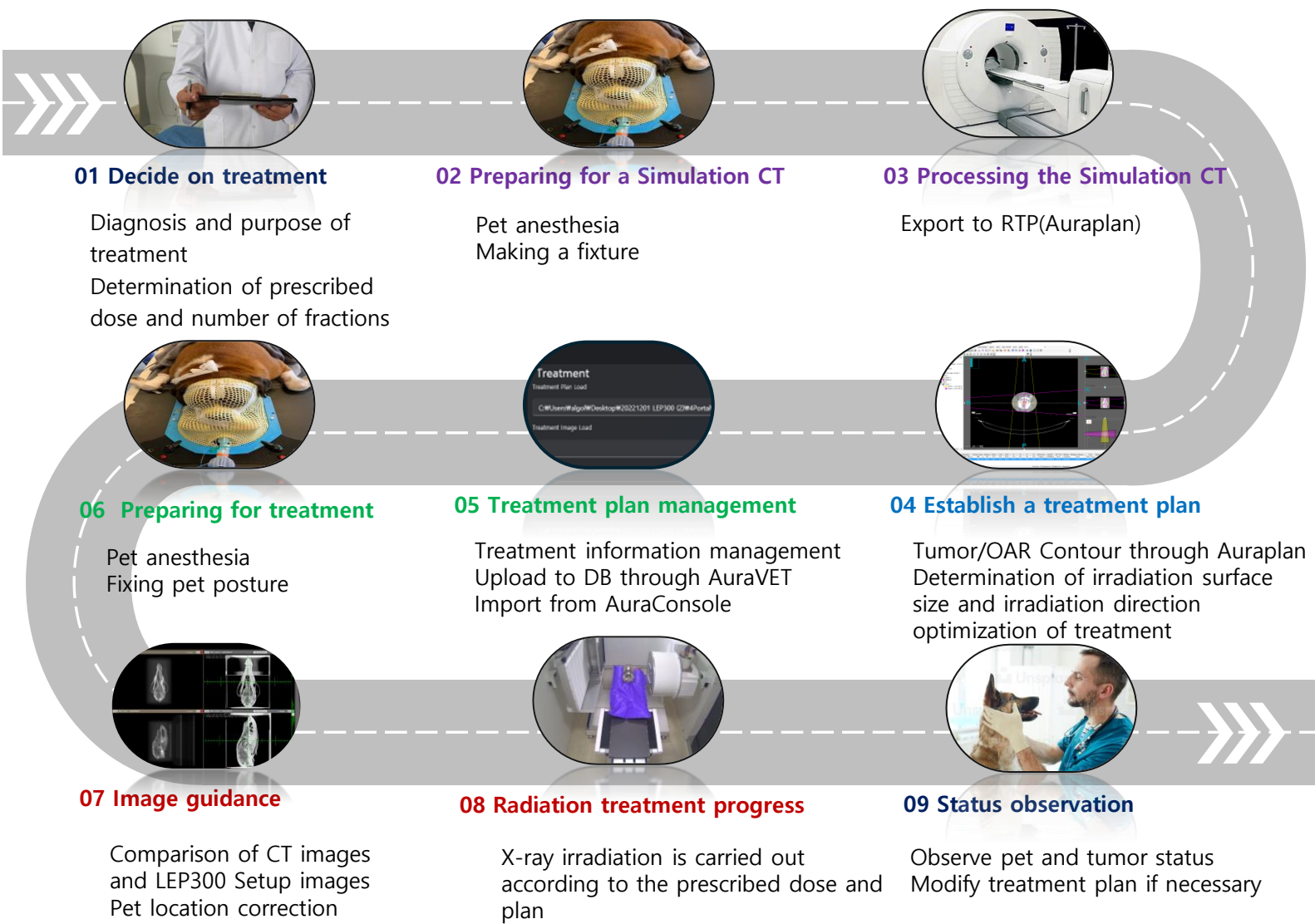


Pet treatment process using LEP300



Comprehensive Service and Support
Auracare Co., Ltd. is always with you to ensure safe use of LEP300.

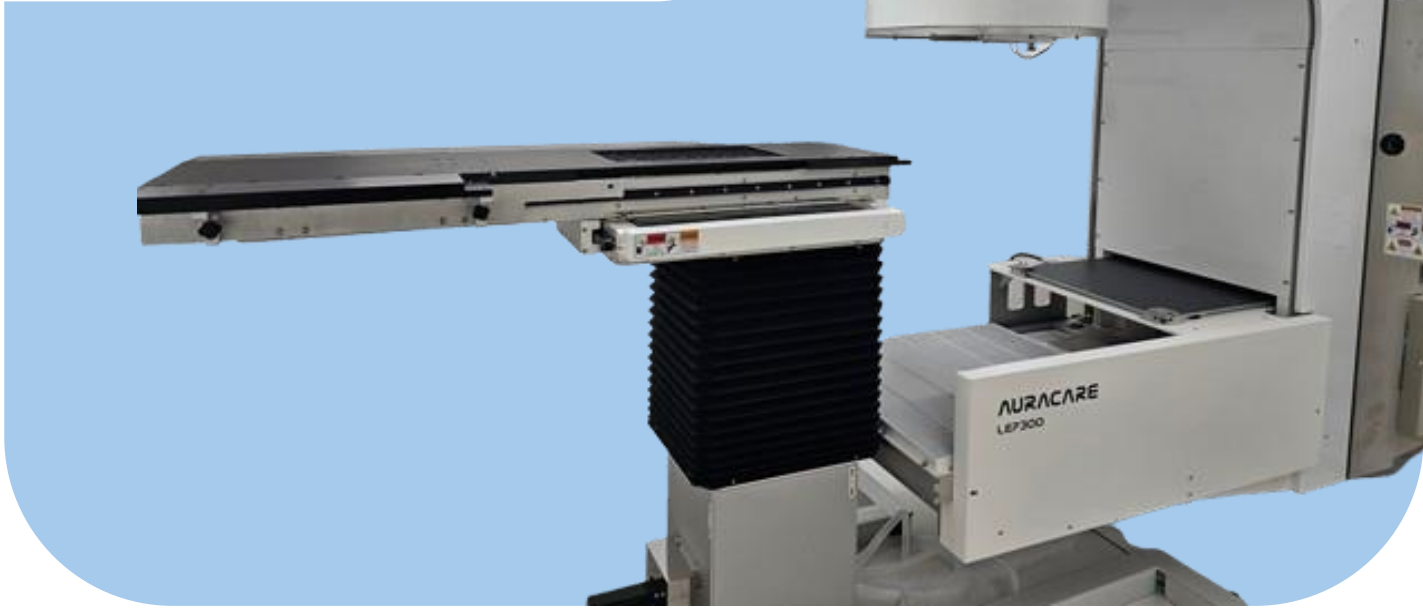
- You can get training on the latest updates from experts at Auracare.
- We have detailed protocols to maintain the safety of patients and users and maintain the equipment in the most efficient way.
- We provide software and supplemental updates to protect hospital and patient data.
- We provide continuous updates to meet customer requirements.
- Regular maintenance helps prevent potential critical errors.



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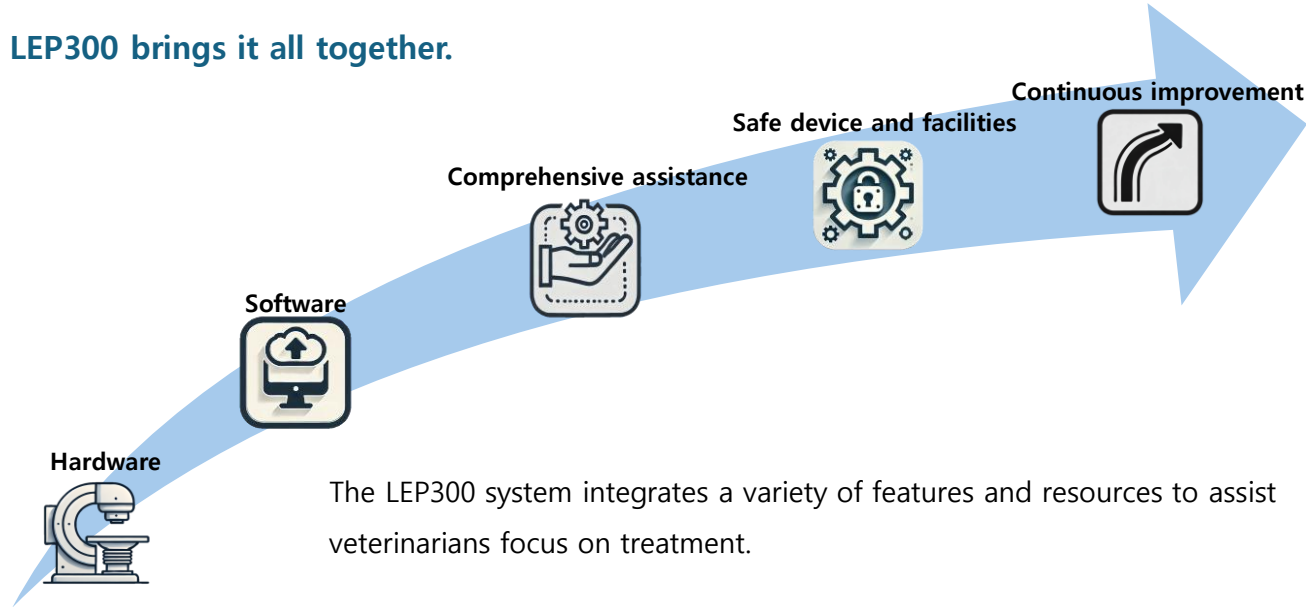
AURACARE
LEP300
Life Extension for Pet



Introduction

The leading cause of death in pets is cancer.
We strive to provide the most effective cancer treatment methods and apply appropriate hardware and software.
Radiotherapy is an essential treatment for multidisciplinary cancer treatment and will provide the best method for treating cancer in your companion animal.
We will continue to make efforts to develop better cancer treatment methods.

The LEP300 brings it all together.



Special Features

- 1. **Optimized for pets** : Minimization/optimization of device through optimal design for pets
- 2. **2 in 1 orthovoltage voltage X-ray tube** : Image-guided and radiation therapy performed in one X-ray tube
- 3. **Convenient and simple operation** : Treatment is performed more intuitively and easily using a tablet pc
- 4. **Safety interlock system** : To ensure that users and patients are always safe, even in sudden situations
- 5. **Reasonable price** : Provided at a reasonable price compared to current devices for human, linear accelerators

LEP300 system specifications

LEP300 system specifications in this document are identified as belonging to two categories, performance specifications and descriptive specifications.

Performance specifications will be demonstrated at the time of product installation, in accordance with the purchased product configuration and Auracare’s customer acceptance testing procedures.

Descriptive specifications are representative of system performance but are not demonstrated at installation.

Beam Specifications

Table 1. Beam Specifications

Specifications	
Photon beam energy	Treatment mode: 300kV
	Image mode: Max 100kV
Symmetry/ Flatness of X-ray field	≤ ±3%
Maximum field size	15cm X 15cm
Jaw mode	Auto
MLC ¹⁾ mode	Manual

1) Multi-Leaf Collimator (26X2 leaves in LEP300)

Dosimetry Specifications

Table 2. Dosimetry Specifications

Specifications	
Dose output	1.05Gy/min
Dose output accuracy	≤ ±3%
Depth dose at 2cm	89.5%
Shutter correction time	±2sec
Dose rate linearity ²⁾	±2%

2) Depth 2cm

Geometric Specifications

Table 3. Geometric Specifications

Specifications	
Gantry rotation range	±180°
Gantry rotation accuracy	±2°
Gantry maximum rotational speed	up to 2 rpm
Collimator rotation range	±90°
Collimator rotation accuracy	±2°
Collimator maximum rotational speed	up to 3.5 rpm
Laser coincidence ³⁾	±2mm

3) Three lasers co-align to the virtue isocenter.

Couch Specifications

Table 4. Couch Specifications

Specifications		
Lateral travel range		±80mm
Vertical travel range		0 to 200mm
Longitudinal travel range		±100mm
Travel couch accuracy		±2mm
Deflection ⁴⁾		±2mm
Patient Capacity	Width	≤ 30cm
	Weight	≤ 40kg

4) Place a 40kg object on couch top.

Environmental Conditions Specifications

Table 5. Environmental Conditions Specifications

Specifications	
Temperature range ⁵⁾	16-27°C
Relative humidity range ⁶⁾	15-80%

5)6) Inside the Treatment room

Isocenter Specifications

Table 7. Isocenter Specifications

Specifications	
kV source to isocenter	60±0.2cm
Center axis of gantry rotation	≤2mm (diameter)
Center axis of collimator rotation	≤2mm (diameter)

Treatment Room Specifications

Table 9. Ideal Minimum Treatment Room Configurations¹⁰⁾¹¹⁾

Specifications	
Minimum or suggested width	2.4m
Minimum or suggested height	2.4m
Minimum or suggested length	4.2m

- 10) Ideal minimum treatment room size assumes the following.
- a. Does not include local electrical or regulatory clearance requirements.
 - b. From the outer wall to outer wall of opposite side.
- 11) Room size must be confirmed by your site planner.
- 12) This size represents the minimum space requirement and may be installed in a larger space depending on the hospital's conditions.

Electrical Ratings Specifications

Table 6. Electrical Ratings Specifications

Specifications	
Electrical Rating ¹¹⁾¹²⁾¹³⁾	220VAC single phase, 60Hz, 8kW

- 7)Configuration depends on the country of use.
- 8)Might require a transformer which will be included with the system.
- 9)Refer to the LEP300 Product Planning Guide for additional details

Dimensions of the LEP 300

Table 8. Dimensions of the LEP 300

Specifications	
Width	1.32m
Height	2.2m
Length	2.7m

