



Case 12: Removal of Femoral Head publication date: Aug 8, 2008

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**PEGGY, WHWT, Female (entire), 08/09/05**  
 Haslemere, Surrey,

**Weight = 7.4kg**  
**Thigh; Left = 21cm**  
**Right = 19.5cm**

**Known conditions/history: X-rayed 17/5/06 after approx 2 weeks lameness on right hind, Legge Perthes Disease diagnosed . Excision arthroplasty (removal of femoral head) performed 19/5/06. Within 3 days Peggy was already touching toes to the ground. Good general recovery, and weight bearing, but quite severe muscle wastage.**

**Peggy has had a course of anabolic steroids to help improve the muscle building, and this has had a slight effect.**

**Aim: To get the muscle mass on her right hind leg to a similar level to the left. Her general fitness levels are very good, and her weight is ideal, so the treadmill will be used hopefully 3 times weekly to build this muscle area.**

DATE	SESSION NUMBER	SPEED (k/h)	DURATION (MINUTES)	NOTES
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04/09/06	1	1.0 1.0 1.0 1.0 0.8	1 (½weight bearing) 1 minute break 1 (½weight bearing) 1 minute break Full weight bearing, but Peggy immediately holds leg up! 1 (½weight bearing) 1 minute break Full weight bearing, Again, leg held up!	Session halted at this stage as didn't want to make Peggy scared and unable to try again, another session booked for 2 days time, hopefully will be able to get her to put leg down, if not, seems pointless to continue as having no effect if refuses to use the leg on the treadmill!
06/09/06	2	1.0 1.2 1.4 1.2	5 2 1 2	Very good progress.
08/09/06	3	2.0 2.2 2.4 2.2 2.4 2.2	2 2 2 2 2 1	Fantastic, very good stride, no attempt to lift leg, no limping, wants to go faster!
11/09/06	4	1.8 2.0 2.2 2.4 2.2 2.0	1 2 2 4 2 1	Very good, great improvement, owner reported had very long walk yesterday, and no signs limping/lameness, only very occasionally lifted leg, & possibly walking more 'normally'. Muscle seems to be bulking up, measure next time.
13/09/06	5	2.0 2.2 2.4 2.2 2.0	2 3 5 2 1	Very good, wanting to do more at higher speed, but don't want to over-stress the leg too much. Left Thigh = 20.5 cm (down 0.5cm) Right Thigh = 20.0 cm (up 0.5 cm)
16/09/06	6	2.2 2.4 2.2	4 6 2	Very happy, carrying head high & wagging tail! Much more range of movement.
18/09/06	7	2.2 2.4 2.2	2 7 3	

20/09/06	8	2.2 2.4 2.2	2 8 2	
22/09/06	9	2.2 2.4 2.2	1 9 2	Left Thigh 21.0 cm, Right Thigh 20.5cm.
25/09/06	10	2.4 2.2	10 2	Owner reported exercise ++++ this weekend & no apparent lameness/stiffness. Very keen & excited!
27/09/06	11	2.4 2.2	10 2	Signed off for 1 week while owners away, dogs going as well and will be having lots of exercise. Advised watch for any signs of stiffness.

**Both legs now even at 21cm! Excellent result, and much faster recovery using treadmill as under controlled conditions.**

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