

CYSTIC OVARIAN DEGENERATION LESSON-4

Presented by

**Dr. K. Krishna Kumar, Ph.D.,
Professor and Head**

**Department of Veterinary Gynaecology and Obstetrics
Madras Veterinary College, Chennai - 600 007
Tamil Nadu Veterinary and Animal Sciences University
Tamil Nadu, India**

Objectives- Lesson IV

➤ Treatment

➤ Diagnosis

TREATMENT

➤ Manual rupture

- Earliest treatment

- Single/ repeated manual rupture (6-10 days interval)

- Thick walled – Not possible

- Disadvantages – Haemorrhage, Ovario-bursal adhesions, sterility

TREATMENT

➤ Specific treatment for Luteal Cyst

- PGF2 α

- Natural - Dinoprost Tromethamine – Lutalyse – 25 mg

- Synthetic – Cloprostenol sodium – Pragma – 500-750 mcg

- GnRH + PGF2 α

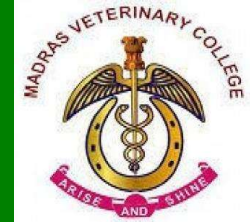
- Day 0 – GnRH (Receptal – Busarelin acetate 20 mcg)

or LH (Chorulon -HCG – 3000 IU)

- Day 7/10 - Dinoprost Tromethamine / Cloprostenol sodium



Summary



- Introduction
- Hormonal regulation of ovarian activity
- Predisposing factors
- Signs and symptoms
- Ultrasonographic images of normal ovarian structures
- Classification of cystic ovaries
- Mechanism of cyst formation
- Signs and symptoms
- Diagnosis and Prognosis
- Treatment and prevention

TREATMENT

➤ Specific treatment for Follicular Cyst

- GnRH / HCG

- Day 0 – GnRH (Receptal – Busarelin acetate 20 mcg)

- or LH (Chorulon -HCG – 3000 IU)

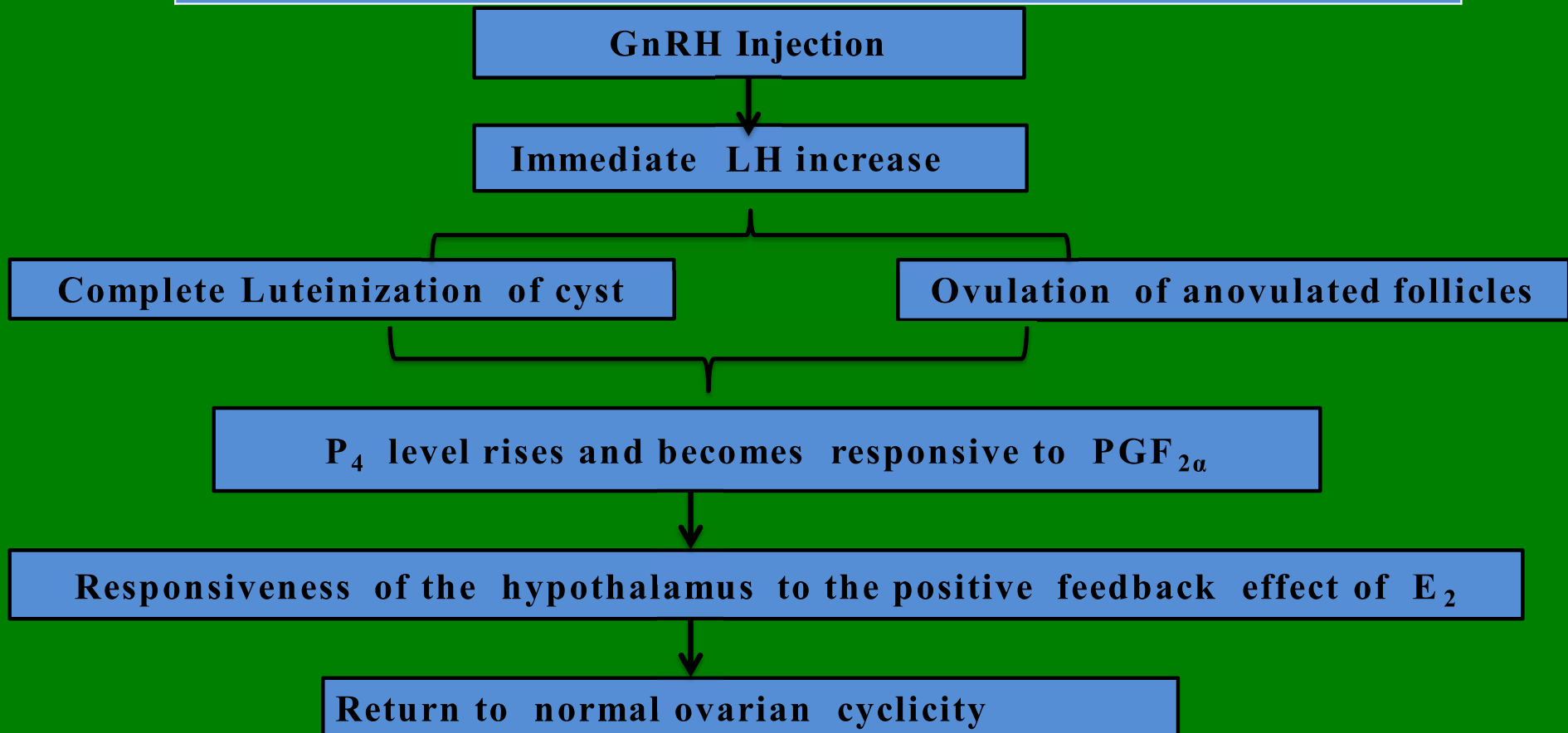
- Day 7/10 - Dinoprost Tromethamine (25 mg) / Cloprostenol sodium (500-750 mcg)

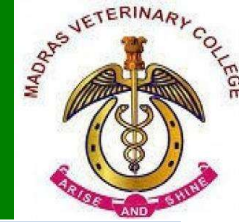


Treatment

FOLLICULAR CYST AND LUTEAL CYST





GnRH and its analogues with $\text{PGF}_{2\alpha}$ and its analogues





Treatment

GnRH/ LH with PGF_{2α} PROTOCOLS (Co-Synch)

DAY 0	Buserelin Acetate (20 µg) /hCG (3000 IU)	
DAY 7	Cloprostenol (500µg)	
DAY 9	Buserelin Acetate(10 µg) + FTAI	 
DAY 10	FTAI	
Day 45	Pregnancy diagnosis	

So far we discussed...

Various treatments like

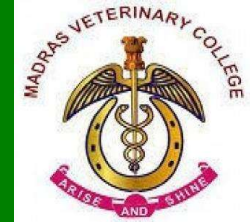
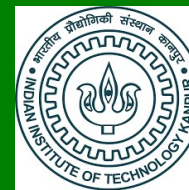
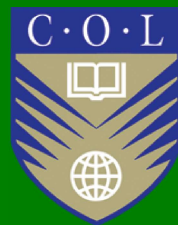
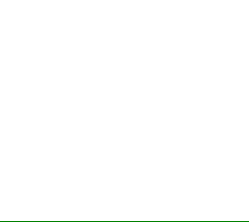
❖ Manual Rupture

❖ Specific treatment for

Luteal Cyst

Follicular Cyst

❖ GnRH and its analogues with $\text{PGF2}\alpha$ and its analogues



Thank you

Contact:

Dr. K. Krishna Kumar, Ph.D.,
Professor and Head

Department of Veterinary Gynaecology and Obstetrics
Madras Veterinary College, Chennai - 600 007
Tamil Nadu Veterinary and Animal Sciences University
Tamil Nadu India

Mobile: +91 9443220975

Email: krishnakumar.k@tanuvas.ac.in