

Contents

1. INTRODUCTION	1
2. REVIEW OF LITERATURE.....	3
2.1. concentration of some blood plasma components in ewes during pregnancy period	3
2.1. 1. Plasma total protein (TP).....	3
2.1. 2. Plasma albumin (A).....	4
2.1. 3. Plasma globulin (G).....	5
2.1. 4. Albumin / globulin ratio (A/G).....	6
2.1. 5. Plasma total lipids (L).....	6
2.1. 6. Plasma cholesterol (C).....	7
2.1. 7. Uric acid (Ur).....	8
2.1. 8. Creatinine (Cr).....	8
2.1. 9. Glutamic oxaloacetic transaminase (GOT).....	9
2.1.10. Glutamic pyruvic transaminase (GPT).....	9
2.2. Concentration of some blood plasma components in ewes during post partum period..	10
2.2. 1. Plasma total protein (TP).....	10
2.2. 2. Plasma albumin (A).....	11
2.2. 3. Plasma globulin (G).....	11
2.2. 4. Albumin / globulin ratio (A/G).....	12
2.2. 5. Plasma total lipids (L).....	12
2.2. 6. Plasma cholesterol (C).....	13
2.2. 7. Uric acid (Ur).....	14
2.2. 8. Creatinine (Cr).....	14
2.2. 9. Glutamic oxaloacetic transaminase (GOT).....	15
2.2.10. Glutamic pyruvic transaminase (GPT).....	15
2.3. Clinical parameters.....	16
2.3. 1. Body temperature	16
2.3.1.1. Rectal temperature (RT).....	16
2.3.1.2. Skin temperature (ST).....	20
2.3. 2. Respiration rate (RR).....	22
2.3. 3. Pulse rate (PR).....	24

3. MATERIALS AND METHODS	27
3.1. Experimental animals.....	27
3.2. Blood sampling.....	28
3.3. Blood plasma components determination.....	29
3.4. Clinical parameters determination.....	30
3.5. Statistical analysis.....	31
 4. RESULTS AND DISCUSSION	33
4.1. Concentration of some blood plasma components in ewes during pregnancy.....	33
4.1. 1. Protein fractions (gm/dl).....	33
4.1. 2. Plasma total lipids (L), cholesterol (C) (mg/dl) and L/C ratio.....	39
4.1. 3. Plasma uric acid and creatinine (mg/dl).....	46
4.1. 4. Plasma glutamic oxaloacetic transaminase (GOT) and glutamic pyruvic transaminase (GPT) (μ /L).....	47
4. 2. Concentration of some blood plasma components in ewes during post-partum.....	57
4. 2. 1. Protein fractions (gm/dl)	57
4. 2. 2. Plasma total lipids (L), cholesterol (C) (mg/dl) and L/C ratio.....	58
4. 2. 3. Plasma uric acid and creatinine (mg/dl).....	66
4. 2. 4. Plasma GOT and GPT (μ /L).....	66
4. 3. Clinical parameters.....	73
 5. SUMMARY	90
6. REFERENCES	95
ARABIC SUMMARY	