

LIST OF TABLES

Chapter II: Material and Methods

Table 1: Exposure time to H₂O₂ and vitamin C to different developmental stages of chick embryo (in hrs).

Table 2: Time of exposure to H₂O₂ and vitamin C initiated at different developmental stages of chick embryo (in hrs).

Chapter III: Observations and Discussion

Section I : Mortality and Abnormalities

Table I.1: Effect of H₂O₂ and Vitamin C on mortality (in %) of chick embryos at different stages of development. (Results expressed as mean of six embryos).

Section II :Proteins

Table II.1 Alterations in protein content by additive Hydrogen peroxide and vitamin C (Group IA: 24+24 = 48 hrs).

Table II.2 Alterations in protein content by additive Hydrogen peroxide and vitamin C (Group I B: 24+48 = 72 hrs).

Table II.3 Alterations in protein content by additive Hydrogen peroxide and vitamin C (Group IC: 24+72 =96 hrs).

Table II.4 Alterations in protein content by additive Hydrogen peroxide and vitamin C (Group I D: 24+96 = 120 hrs).

Table II.5 Alterations in protein content by additive Hydrogen peroxide and vitamin C (Group II A: 34+24 = 58 hrs).

Table II.6 Alterations in protein content by additive Hydrogen peroxide and vitamin C (Group II B: 34+48 = 82 hrs).

Table II.7 Alterations in protein content by additive Hydrogen peroxide and vitamin C (Group II C: 34+72 = 106 hrs).

Table II.8 Alterations in protein content by additive Hydrogen peroxide and vitamin C (Group II D: 34+96 = 130 hrs).

Table II.9 Alterations in protein content by additive Hydrogen peroxide and vitamin C (Group III A: 40+24 = 64 hrs).

Table II.10 Alterations in protein content by additive Hydrogen peroxide and vitamin C (Group III B: 40+48 = 88 hrs).

Table II.11 Alterations in protein content by additive Hydrogen peroxide and vitamin C (Group III C: 40+72 = 112 hrs).

Table II.12 Alterations in protein content by additive Hydrogen peroxide and vitamin C (Group III D: 40+96 = 136 hrs).

Table II.13 Alterations in protein content by additive Hydrogen peroxide and vitamin C (Group IV A: 48+24 = 72 hrs).

Table II.14 Alterations in protein content by additive Hydrogen peroxide and vitamin C (Group IV B: 48+48 = 96 hrs).

Table II.15 Alterations in protein content by additive Hydrogen peroxide and vitamin C (Group IV C: 48+72 = 120 hrs).

Table II.16 Alterations in protein content by additive Hydrogen peroxide and vitamin C (Group V A: 72+24 = 96 hrs).

Table II.17 Alterations in protein content by additive Hydrogen peroxide and vitamin C (Group V B: 72+48 = 120 hrs).

Table II.18 Alterations in protein content by additive Hydrogen peroxide and vitamin C (Group VI A: 96+24 = 120 hrs).

Table II.19 Alterations in protein content by additive Hydrogen peroxide and vitamin C (Group VI C: 120+24 = 144 hrs).

Section III : Lipid peroxidation

Table III.1: Alteration in TBARS content by additive Hydrogen peroxide and Vitamin C (Group I A: 24+24 = 48 hrs).

Table III.2: Alteration in TBARS content by additive Hydrogen peroxide and Vitamin C (Group I B: 24+48 = 72 hrs).

Table III.3: Alteration in TBARS content by additive Hydrogen peroxide and Vitamin C (Group I C: 24+72=96 hrs).

Table III.4: Alteration in TBARS content by additive Hydrogen peroxide and Vitamin C (Group I D: 24+96= 120 hrs).

Table III.5: Alteration in TBARS content by additive Hydrogen peroxide and Vitamin C (Group II A: $34+24=58$ hrs).

Table III.6: Alteration in TBARS content by additive Hydrogen peroxide and Vitamin C (Group II B: $34+48=82$ hrs).

Table III.6: Alteration in TBARS content by additive Hydrogen peroxide and Vitamin C (Group II B: $34+48=82$ hrs).

Table III.7: Alteration in TBARS content by additive Hydrogen peroxide and Vitamin C (Group II C: $34+72=106$ hrs).

Table III.8: Alterations in TBARS content by additive Hydrogen peroxide and Vitamin C (Group II D: $34+96=130$ hrs).

Table III.9: Alterations in TBARS content by additive Hydrogen peroxide and Vitamin C (Group III A: $40+24=64$ hrs).

Table III.10: Alteration in TBARS content by additive Hydrogen peroxide and Vitamin C (Group III B: $40+48=88$ hrs).

Table III.11: Alterations in TBARS content by additive Hydrogen peroxide and Vitamin C (Group III C: $40+72=112$ hrs).

Table III.12: Alteration in TBARS by additive Hydrogen peroxide and Vitamin C (Group III D: $40+96=136$ hrs).

Table III.13: Alteration in TBARS content by additive Hydrogen peroxide and Vitamin C (Group IV A: $48+24=72$ hrs).

Table III.14: Alteration in TBARS content by additive Hydrogen peroxide and Vitamin C (Group IV B: $48+48=96$ hrs).

Table III.15: Alteration in TBARS content by additive Hydrogen peroxide and Vitamin C (Group IV C: $48+72=120$ hrs).

Table III.16: Alteration in TBARS content by additive Hydrogen peroxide and Vitamin C (Group V A: $72+24=96$ hrs).

Table III.17: Alterations in TBARS content by additive Hydrogen peroxide and Vitamin C (Group V B: $72+48=120$ hrs).

Table III.18: Alteration in TBARS content by additive Hydrogen peroxide and Vitamin C (Group V I: $96+24=120$ hrs).

Table III.19: Alteration in TBARS content by additive Hydrogen peroxide and Vitamin C (Group V I: $120+24=144$ hrs).

Section IV: Glutathione

Table IV.1: Alterations in GSH content by additive Hydrogen peroxide and Vitamin C (Group I A: $24+24 = 48$ hrs).

Table IV.2: Alteration in GSH content by additive Hydrogen peroxide and Vitamin C (Group I B: $24+48 = 72$ hrs).

Table IV.3: Alteration in GSH content by additive Hydrogen peroxide and Vitamin C (Group I C: $24+72=96$ hrs).

Table IV.4: Alteration in GSH content by additive Hydrogen peroxide and Vitamin C (Group I D: $24+96= 120$ hrs).

Table IV.5: Alteration in GSH content by additive Hydrogen peroxide and Vitamin C (Group II A: $34+24=58$ hrs).

Table IV.6: Alteration in GSH content by additive Hydrogen peroxide and Vitamin C (Group II B: $34+48=82$ hrs).

Table IV.7: Alteration in GSH content by additive Hydrogen peroxide and Vitamin C (Group II C: $34+72=106$ hrs).

Table IV.8: Alteration in GSH content by additive Hydrogen peroxide and Vitamin C (Group II D: $34+96=130$ hrs).

Table IV.9: Alterations in GSH content by additive Hydrogen peroxide and Vitamin C (Group III A: $40+24=64$ hrs).

Table IV.10: Alterations in GSH content by additive Hydrogen peroxide and Vitamin C (Group III B: $40+48= 88$ hrs).

Table IV.11: Alterations in GSH content by additive Hydrogen peroxide and Vitamin C (Group III C: $40+72=112$ hrs).

Table IV.12: Alterations in GSH content by additive Hydrogen peroxide and Vitamin C (Group III D: $40+96=136$ hrs).

Table IV.13: Alterations in GSH content by additive Hydrogen peroxide and Vitamin C (Group IV A: $48+24=27$ hrs).

Table IV.14: Alterations in GSH content by additive Hydrogen peroxide and Vitamin C (Group IV B: $48+48=96$ hrs).

Table IV.15: Alterations in GSH content by additive Hydrogen peroxide and Vitamin C (Group IV C: $48+72=120$ hrs).

Table IV.16: Alterations in GSH content by additive Hydrogen peroxide and Vitamin C (Group V A: $72+24=96$ hrs).

Table IV.17: Alterations in GSH content by additive Hydrogen peroxide and Vitamin C (Group V A: $72+48=120$ hrs).

Table IV.18: Alterations in GSH content by additive Hydrogen peroxide and Vitamin C (Group V I: $96+24=120$ hrs).

Table IV.19: Alterations in GSH content by additive Hydrogen peroxide and Vitamin C (Group V II: $120+24=144$ hrs).

Section V: Formaldehyde

Table V.1 Alterations in HCHO content by additive Hydrogen peroxide and Vitamin C (Group I A: $24+24 = 48$ hrs).

Table V.2 Alterations in HCHO content by additive Hydrogen peroxide and Vitamin C (Group I B: $24+48 = 72$ hrs).

Table V.3 Alterations in HCHO content by additive Hydrogen peroxide and Vitamin C (Group I C: $24+72=96$ hrs).

Table V.4 Alterations in HCHO content by additive Hydrogen peroxide and Vitamin C (Group I D: $24+96= 120$ hrs).

Table V.5 Alterations in HCHO content by additive Hydrogen peroxide and Vitamin C (Group II A: $34+24=58$ hrs).

Table 6 Alterations in HCHO content by additive Hydrogen peroxide and Vitamin C (Group II B: $34+48=82$ hrs).

Table V.7 Alterations in HCHO content by additive Hydrogen peroxide and Vitamin C (Group II C: $34+72=106$ hrs).

Table V.8 Alterations in HCHO content by additive Hydrogen peroxide and Vitamin C (Group II D: $34+96=130$ hrs).

Table V.9 Alterations in HCHO content by additive Hydrogen peroxide and Vitamin C (Group III A: $40+24=64$ hrs).

Table V.10 Alterations in HCHO content by additive Hydrogen peroxide and Vitamin C (Group III B: $40+48=88$ hrs).

Table V.11 Alterations in HCHO content by additive Hydrogen peroxide and Vitamin C (Group III C: $40+72=112$ hrs).

Table V.12 Alteration in HCHO content by additive Hydrogen peroxide and Vitamin C (Group III D: $40+96=136$ hrs).

Table 13 Alteration in HCHO content by additive Hydrogen peroxide and Vitamin C (Group IV A: $48+24=72$ hrs).

Table V.14 Alterations in HCHO content by additive Hydrogen peroxide and Vitamin C (Group IV B: $48+48=96$ hrs).

Table V.15 Alterations in HCHO content by additive Hydrogen peroxide and Vitamin C (Group IV C: $48+72=120$ hrs).

Table V.16 Alterations in HCHO content by additive Hydrogen peroxide and Vitamin C (Group V A: $72+24=96$ hrs).

Table V.17 Alterations in HCHO content by additive Hydrogen peroxide and Vitamin C (Group V A: $72+48=120$ hrs).

Table V.18 Alterations in HCHO content by additive Hydrogen peroxide and Vitamin C (Group V I: $96+24=120$ hrs).

Table V.19 Alterations in HCHO content by additive Hydrogen peroxide and Vitamin C (Group VI: $120+24=144$ hrs)