

4. EXPERIMENTS AND RESULTS

Experiment No. (3):

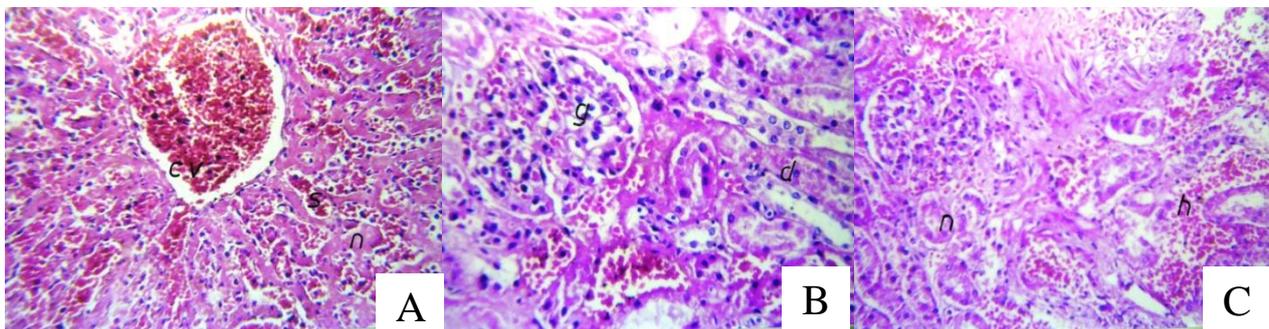


Fig.41: Histopathological findings of group of rabbits orally challenged with *C. perfringens* type D (A) liver severe congestion in the central vein (cv) and sinusoids (s). **H&E X 64.** (B) Kidney showing swelling (d) and vacuolization in the lining endothelium of the glomerular tuft (g). **H&E X 80.** (C) Kidney showing swelling, focal haemorrhage (h) in between the degenerated and necrosed (n) renal tubules. **H&E X 64.**

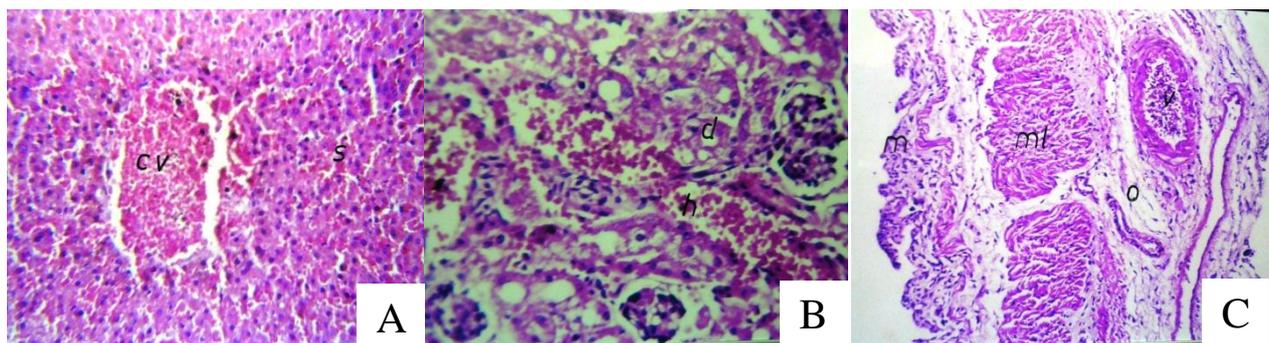


Fig.42: Histopathological findings of group of rabbits subcutaneously challenged with *C. perfringens* type D (A) liver showing congestion in the central vein (cv) and sinusoids (s). **H&E X 64.** (B) Kidney showing focal haemorrhage (h) in between the degenerated tubules (d) at the cortex. **H&E X 80.** (C) Large intestine showing necrosis of mucosal layer (m) with oedema in the underlying muscular one (ml) with congestion in blood vessels (v). **H&E X40.**

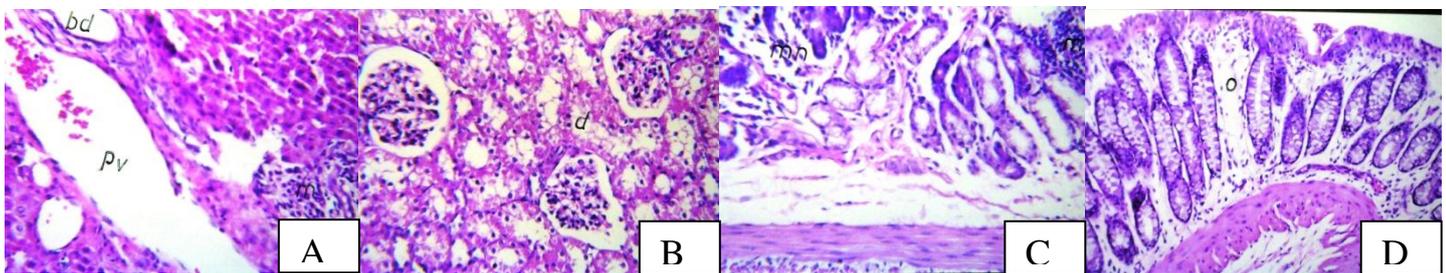


Fig.43: Histopathological findings of group of rabbits orally challenged with *C. perfringens* type A at the end of the experimental period, (A) liver showing inflammatory cell infiltration in the portal area (m) with congestion in portal vein (pv) H&E X 64., (B) Kidney showing degeneration in the tubular lining epithelium H&E X64., (C) Small intestine showing focal inflammatory cell aggregation (m) as well as infiltration (mn) in the lamina propria of the mucosal layer H&E X64., (D) large intestine showing oedema in the lamina propria (o) of mucosal layer.

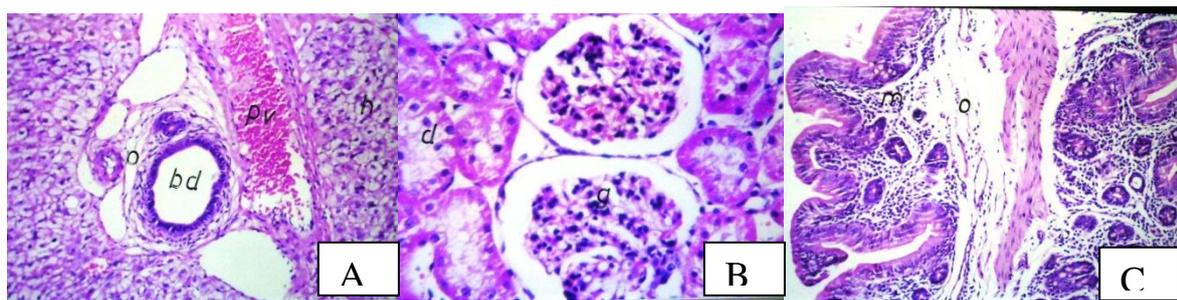


Fig.44: Histopathological findings of group of rabbits subcutaneously challenged with *C. perfringens* type A at the end of the experimental period, (A) liver showing congestion in the portal vein (pv), dilatation of bile duct (bd) with periductal oedema (o) and degeneration in the hepatocytes H&E X64., (B) Kidney showing vacuolization in the lining endothelium of the glomerular tuft (g) with degeneration in lining tubular epithelium (d) H&E X64., (C) large intestine showing massive number of inflammatory cell infiltration (m) and oedema in the lamina propria (o) .

