

Figure (1): Effect of control and HFD on feed intake:

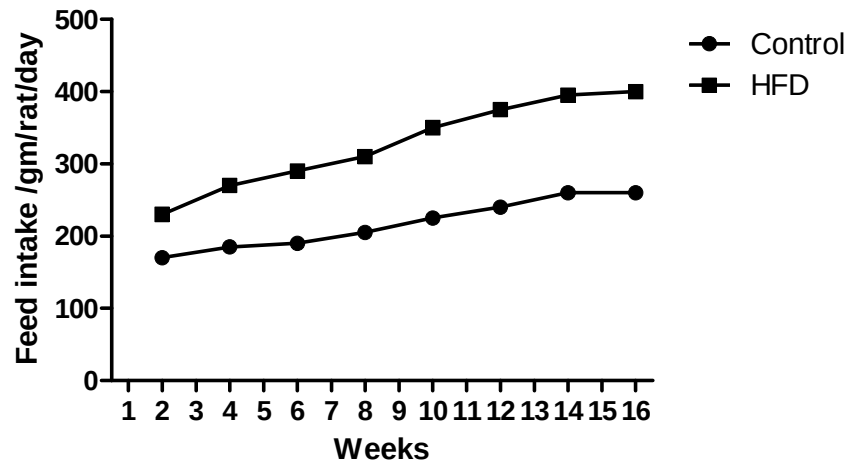


Figure (1): Means of feed intake (gm/day/rat) in the different groups of experiment (0 to 16th week) in rats. Feed intake increased significantly in rats fed on HFD from 0 to 16th week compared with that of control group. Means have different letters indicate significant variation at ($P \leq 0.05$), while the same letters indicate non significant variation.

Figure 2 :Photomicrograph of the kidneys sections of normal rats (a,b) and treated with high fat diet (c, d,e and f):

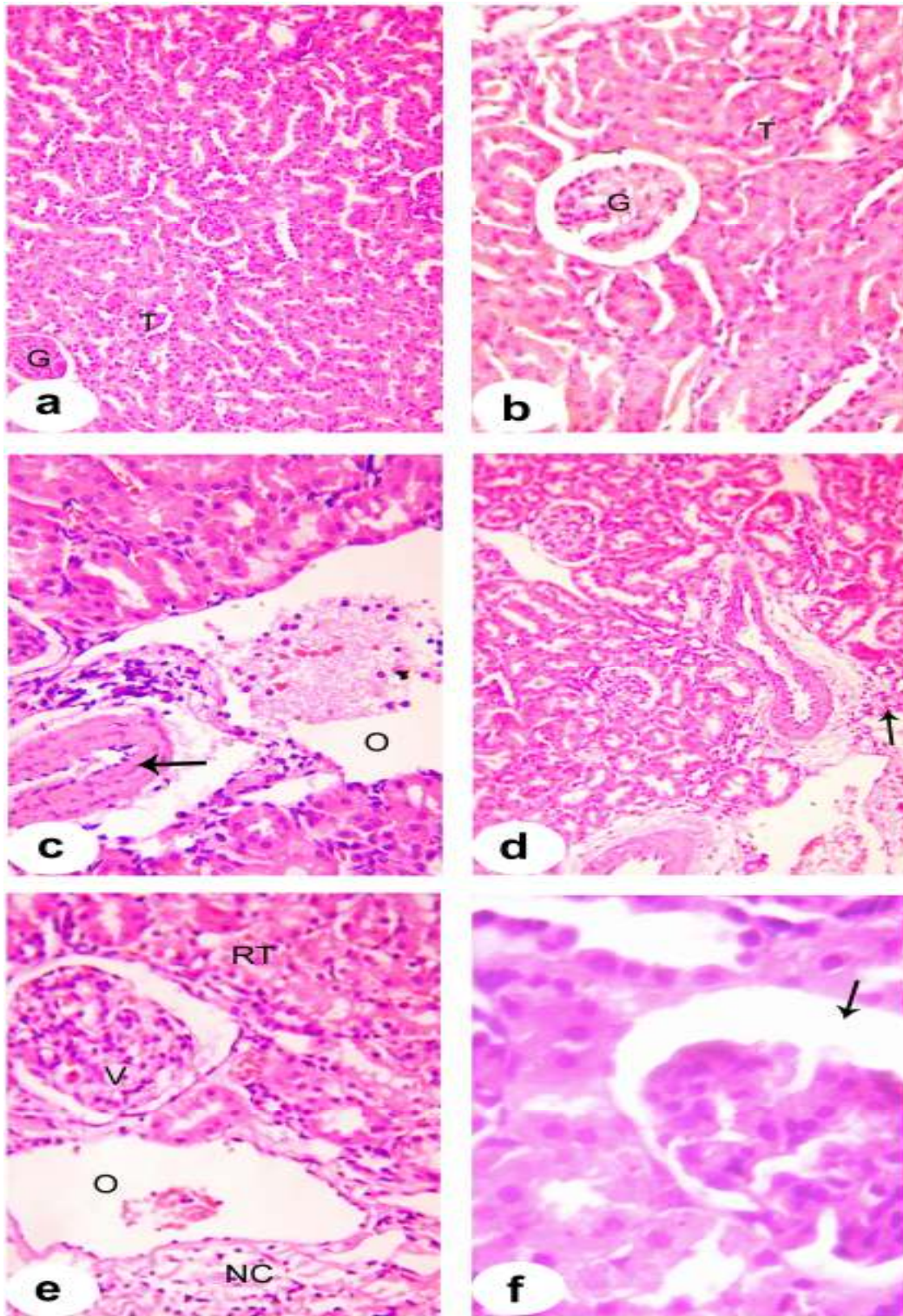


Fig (2 a&b): Photomicrograph of the kidneys sections of normal rats showing the glomerulus (G) and renal tubules (t). Fig (2a) H&E x 100 and Fig (2b) H&E x 400.

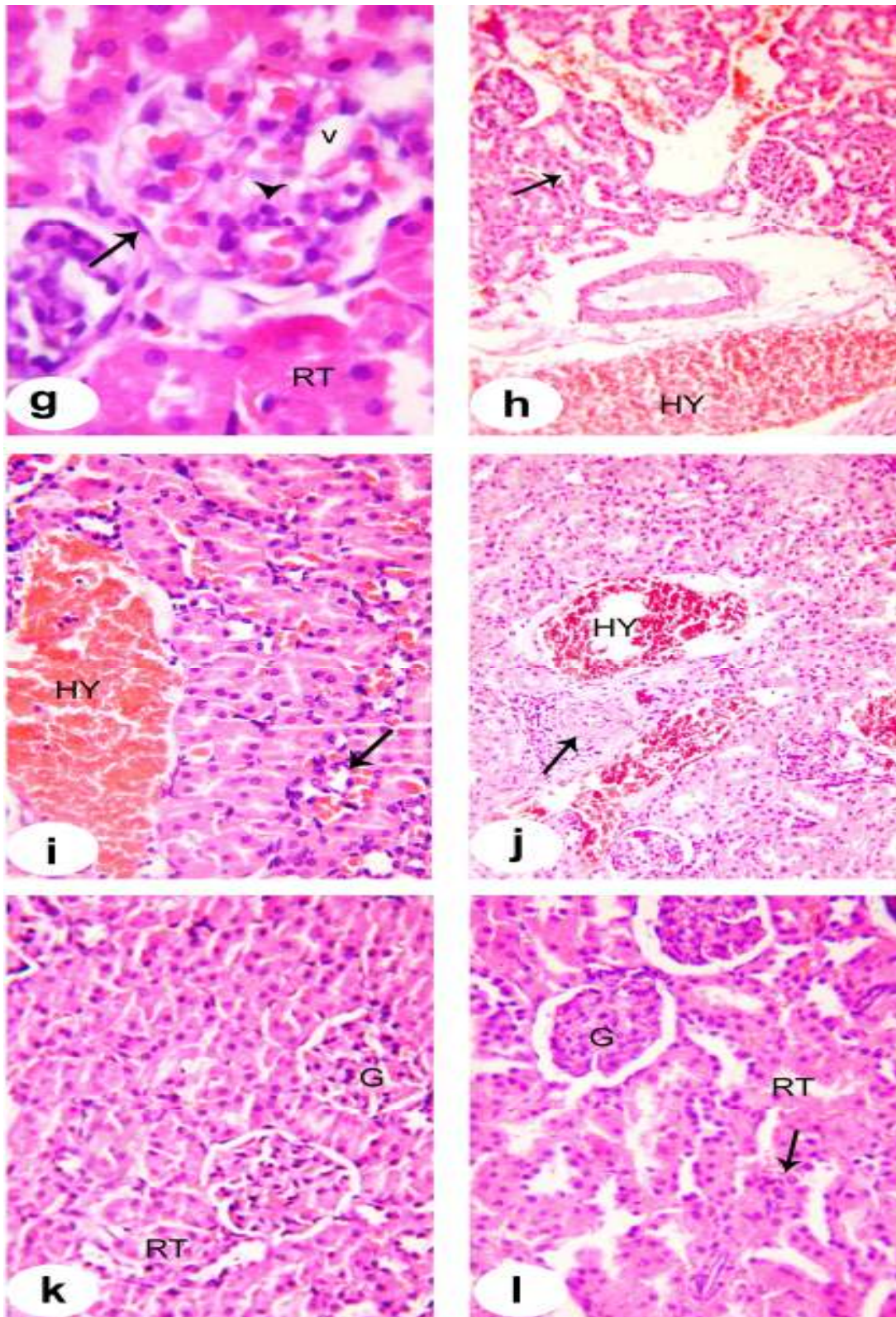
Fig (2 c): Photomicrograph of the kidneys sections of rats treated with high fat diet (HFD) showing a dilated blood vessels (↑) and perivascular oedema (O) and inflammatory cells (▲) infiltration. H & E x 400.

Fig (2 d): Photomicrograph of the kidneys sections of rats treated with high fat diet (HFD) showing perivascular and periglomerular oedema infiltrated with a number of inflammatory cells (↑). H & E x 400.

Fig (2 e): Photomicrograph of the kidneys sections of rats treated with high fat diet (HFD) showing degenerative change of renal tubules (RT), vacuolated glomerular tuft (v) surrounded with oedema (O) and necrotic cells (Nc). H & E x 400.

Fig (2 f): Photomicrograph of the kidneys sections of rats treated with high fat diet (HFD) showing expansion of Bowman's capsule (↑). H & E x 400.

Figure 3 :Photomicrograph of the kidneys sections of rats treated with high fat diet plus Zenical (g, H,I,j)and herbal extract (k, l):



Figs (3 g): Photomicrograph of the kidneys sections of rats treated with high fat diet plus Zenical showing hypermic glomerular tuft (▲), swelling in lining epithelium of renal tubules (RT) and vacuolar glomerular tuft (V) with swollen endothelial cells lining the Bowman's capsule (↑). H & E x 400.

Fig (3h): Photomicrograph of the kidneys sections of rats treated with high fat diet plus Zenical showing blood vessel hypermic with blood (Hy) and degenerated renal tubules (↑).H & E x 400.

Fig (3i): Photomicrograph of the kidneys sections of rats treated with high fat diet plus Zenical showing blood vessels show severe congestion (Hy) and intertubular hoamorrhage (↑).H & E x 400.

Fig (3j): Photomicrograph of the kidneys sections of rats treated with high fat diet plus Zenical showing focal necrotic area (↑) with inflammatory cells infiltration, blood vessels show congestion (Hy) and some renal tubules suffer from degeneration. H & E x 200.

Fig (3k): Photomicrograph of the kidneys sections of rats treated with high fat diet plus pumpkin oil plus nutshell extract showing nearly normal structure of glomerulus (G) and renal tubules (Rt). H & E x 400.

Fig (3l): Photomicrograph of the kidneys sections of rats treated with high fat diet plus pumpkin oil plus nutshell extract showing some hemorrhage between renal tubules (↑) and nearly normal structure of glomerulus (G) and renal tubules (Rt). H & E x 400.