**Table 1: demographic data of the studied group**

|  |  |
| --- | --- |
| Demographic data | Studied group  (n = 20) |
| Age (yrs.)   * Mean ± SD * Range | 42.5 **±** 14.25  8 - 63 |
| Sex N (%)   * Male * Female | 7 (35%)  13 (65%) |

**Table 2: Pre-operative imaging (US & CT) for diagnosis and liver state of the studied group.**

|  |  |
| --- | --- |
| Diagnosis | Studied group  (n = 20) N (%) |
| Hydatid | 7 (35%) |
| Hemangioma | 5 (25%) |
| HCC | 3 (15%) |
| Cholangiocarcinoma | 1 (5%) |
| biliary cystadenoma | 1 (5%) |
| post traumatic necrosis | 1 (5%) |
| GB carcinoma | 1 (5%) |
| Adenocarcinoma | 1 (5%) |
| State of liver | Studied group  (n = 20)  N (%) |
| Normal | 14 (70%) |
| Cirrhotic | 4 (20%) |
| Steatotic | 2 (10%) |

**Table 3: Intra operative data of the studied group (Type of resection**, **Blood loss, Operative time and need for transfusion in the studied group)**

|  |  |  |
| --- | --- | --- |
| Blood loss | Mean ± SD | Range |
| Total operative Bl. Loss (ml) | 374. ± 74.9 | 270 – 620 |
| Bl. Loss during transection (ml): | 132.5 ± 33.3 | 80 – 230 |
| * <100 ml * 100 – 150 ml * 150 – 200 ml * >200 ml | * 1 (5%) * 9 (45%) * 8 (40%) * 2 (10%) | |
| Operative time | Mean ± SD | Range |
| Total operative time (min): | 216 ± 40.8 | 145 – 300 |
| Parenchymal transection time (min):   * < 30 min * 30 – 40 min * 41 – 50 min * >50 min | 42.5 ± 8.95 | 25 – 65 |
| * 1 (5%) * 9 (45%) * 8 (40%) * 2 (10%) | |
| Blood loss | Mean ± SD | Range |
| Total operative Bl. Loss (ml) | 374. ± 74.9 | 270 – 620 |
| Bl. Loss during transection (ml): | 132.5 ± 33.3 | 80 – 230 |
| * <100 ml * 100 – 150 ml * 150 – 200 ml * >200 ml | * 1 (5%) * 9 (45%) * 8 (40%) * 2 (10%) | |
| Operative time | Mean ± SD | Range |
| Total operative time (min): | 216 ± 40.8 | 145 – 300 |
| Parenchymal transection time (min):   * < 30 min * 30 – 40 min * 41 – 50 min * >50 min | 42.5 ± 8.95 | 25 – 65 |
| * 1 (5%) * 9 (45%) * 8 (40%) * 2 (10%) | |

|  |  |
| --- | --- |
| Blood transfusion | Studied group  (n = 20)  N (%) |
| During operation:   * No * Yes | 19 (95%)  1 (5 %) |
| Post-operative blood transfusion:   * No * Yes | 19 (95%)  1 (5 %) |

**Table 4: correlation between blood loss during transection and transection time with Type of hepatectomy and with liver state in the studied group.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Studied group  (n = 20) | Minor hepatectomy  (n=14) | | Major  hepatectomy (n=6) | | p value | |
| Blood Loss during transection (ml)   * Mean * Range | 139.28 ± 34  90 – 230 | | 116.6 ± 28  80 - 150 | | **0.244** | |
| Parenchymal transection time (min)   * Mean * Range | 42.8 ± 8.92  30 – 65 | | 41.6 ± 9.83  25 – 55 | | **0.932** | |
| Studied group  (n = 20) | **Normal**  **(n=14)** | **Cirrhotic**  **(n=4)** | | **Steatotic**  **(n=2)** | | **p value** |
| Blood Loss during transection (ml)   * Mean * Range | 127.14 ± 36.8  80 - 230 | 135 ± 12.9  120 - 150 | | 165 ± 21.2  150 - 180 | | **0.123** |

**Table 5: Post-operative hospital stay and correlation between Total operative blood loss and hospital stay in the studied group**

|  |  |  |  |
| --- | --- | --- | --- |
| Hospital stay (day) | | | |
| * Mean ± SD * Range | 5.25 ± 2.17  3 – 12 | | |
| Total operative Blood Loss | | | |
| Hospital stay | | **p value** | **r value** |
| **0.014\*** | **0.539** |

**Table 6: Complications of the studied group**

|  |  |
| --- | --- |
| Complications | Studied group  (n = 20)  N (%) |
| Free | 19 (95%) |
| Biliary leakage | 1 (5%) |
| Ileus | 0 (0%) |
| Bleeding | 0 (0%) |
| Wound infection | 0 (0%) |
| Ascites | 0 (0%) |
| Incisional hernia | 0 (0%) |
| Lung atelectasis | 0 (0%) |