

**Table 1.** Mean values and standard deviations (SDs) of insulin by tumor staging, grading and histological type among 60 RCC patients

| Variable          |                                                                                                                                                                                                                                                                                                                             | Insulin |       |       |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|-------|
|                   |                                                                                                                                                                                                                                                                                                                             | N       | Mean  | SD    |
| Stage             |                                                                                                                                                                                                                                                                                                                             |         |       |       |
| I                 | T <sub>1</sub> N <sub>0</sub> M <sub>0</sub>                                                                                                                                                                                                                                                                                | 25      | 17.63 | 26.9  |
| II                | T <sub>2</sub> N <sub>0</sub> M <sub>0</sub>                                                                                                                                                                                                                                                                                | 14      | 16.08 | 9.44  |
| III               | T <sub>3a</sub> N <sub>0</sub> M <sub>0</sub> (N=8), T <sub>3b</sub> N <sub>0</sub> M <sub>0</sub> (N=3), T <sub>3b</sub> N <sub>1</sub> M <sub>0</sub> (N=4)                                                                                                                                                               | 14      | 10.03 | 3.80  |
| IV                | T <sub>1</sub> N <sub>0</sub> M <sub>1</sub> (N=1), T <sub>1</sub> N <sub>1</sub> M <sub>1</sub> (N=1), T <sub>2</sub> N <sub>1</sub> M <sub>1</sub> (N=1),<br>T <sub>3b</sub> N <sub>2</sub> M <sub>1</sub> (N=1), T <sub>3c</sub> N <sub>2</sub> M <sub>1</sub> (N=1), T <sub>4</sub> N <sub>2</sub> M <sub>1</sub> (N=3) | 7       | 7.76  | 2.28  |
| Grade             |                                                                                                                                                                                                                                                                                                                             |         |       |       |
| 1                 |                                                                                                                                                                                                                                                                                                                             | 5       | 16.02 | 15.54 |
| 2                 |                                                                                                                                                                                                                                                                                                                             | 22      | 12.96 | 5.65  |
| 3                 |                                                                                                                                                                                                                                                                                                                             | 20      | 17.48 | 30.30 |
| 4                 |                                                                                                                                                                                                                                                                                                                             | 9       | 12.52 | 5.33  |
| Non-available     |                                                                                                                                                                                                                                                                                                                             | 4       | 8.25  | 1.61  |
| Histological type |                                                                                                                                                                                                                                                                                                                             |         |       |       |
| Clear cell        |                                                                                                                                                                                                                                                                                                                             | 42      | 15.38 | 21.52 |
| Papillary         |                                                                                                                                                                                                                                                                                                                             | 8       | 15.50 | 7.80  |
| Chromophobe       |                                                                                                                                                                                                                                                                                                                             | 6       | 9.76  | 2.36  |
| Collecting duct   |                                                                                                                                                                                                                                                                                                                             | 1       | 8.16  | -     |
| Unclassified      |                                                                                                                                                                                                                                                                                                                             | 3       | 7.94  | 1.02  |