

## 大阪市立大学泌尿器科学教室における 最近5年間の臨床統計

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### CLINICAL STATISTICS ON PATIENTS AND OPERATIONS DURING THE PAST FIVE YEARS IN THE DEPARTMENT OF UROLOGY, OSAKA CITY UNIVERSITY MEDICAL SCHOOL

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The following tables show statistics on the patients, diseases and operations in our department during the period from May, 1963 to April, 1968.

#### 緒 言

1963（昭和38）年5月，本教室が従来の皮膚泌尿器科学教室より分離独立してから1968（昭和43）年4月までの過去5年間の臨床統計を報告する。

統計のとり方は各年度ごとであるが，1963（昭和38）年度は5月より12月まで，1968（昭和43）年度は1月より4月までである。

#### 患者数 (Table 1)

患者数は逐年増加の傾向にあり，外来患者数は12,017名，入院患者数はその12.6%に当る1,520名に達した。以下外来患者別および入院患者別に記載する。

#### 外来患者 (Table 2～10)

外来患者は毎年増加の傾向にあり，1967（昭和42）年度には2,515名となった。性別では，ほぼ2：1の割合で男子が多い。年齢構成は，20才台が最も多く，

30才台がこれに次いでいる。

**疾患別分類 (Table 4)：**結核，結石，腫瘍の3者が22.1～26.2%を占めている。そのうち結核は各年度ごと4～5%，結石は10%，腫瘍は9～10%を占めている。異常なしと分類された患者には，梅毒および他科疾患を含み，いわゆる泌尿器科的に異常なしと認めたものである。そして膀胱炎，尿道炎などはその他の項目に分類され，各年度患者数の約半数を占めている。

**尿路性器結核 (Table 5)** 2臓器以上におよぶ結核病巣（例えば，腎と副睾丸結核を有する患者）は全尿路性器結核として分類した。尿路性器結核は必ずしも減少の傾向にはなく，なお重篤な全尿路結核がいぜん多く存在する。

**尿路結石症 (Table 6)：**2臓器以上におよぶ結石症を狭義の尿路結石症と表記した。結石症を有する副甲状腺機能亢進症は副甲状腺機能亢進症と分類した。腎結石症はどちらかといえば右側に，そして尿管結石は左側で多く認められた。

Table 1 Total Number of the Patients

|                | 1963  | 1964  | 1965  | 1966  | 1967  | 1968  | Total  |
|----------------|-------|-------|-------|-------|-------|-------|--------|
| Outpatients    | 1,391 | 2,208 | 2,366 | 2,486 | 2,515 | 1,051 | 12,017 |
| Inpatients     | 232   | 295   | 273   | 280   | 328   | 112   | 1,520  |
| Percentage (%) | 17    | 13    | 12    | 11    | 13    | 11    | 12.6   |

% : Inpatients/Outpatients

Table 2 Total Number and Sex of Outpatients

|       |        | 1963  | 1964  | 1965  | 1966  | 1967  | 1968  |
|-------|--------|-------|-------|-------|-------|-------|-------|
| M     | Number | 911   | 1,520 | 1,602 | 1,669 | 1,658 | 710   |
|       | %      | 66    | 69    | 68    | 67    | 66    | 68    |
| F     | Number | 480   | 688   | 764   | 817   | 857   | 341   |
|       | %      | 34    | 31    | 32    | 33    | 34    | 32    |
| Total |        | 1,391 | 2,208 | 2,366 | 2,486 | 2,515 | 1,051 |

Table 3 Age and Sex of Outpatients

|       | 1963 |     |       | 1964  |     |       | 1965  |     |       | 1966  |     |       | 1967  |     |       | 1968 |     |       |
|-------|------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|------|-----|-------|
|       | M    | F   | T     | M     | F   | T     | M     | F   | T     | M     | F   | T     | M     | F   | T     | M    | F   | T     |
| 0~9   | 63   | 25  | 88    | 108   | 33  | 141   | 159   | 39  | 198   | 137   | 37  | 174   | 122   | 51  | 173   | 63   | 20  | 83    |
| 10~19 | 74   | 32  | 106   | 103   | 33  | 136   | 119   | 40  | 159   | 121   | 32  | 153   | 129   | 33  | 162   | 47   | 11  | 58    |
| 20~29 | 250  | 119 | 369   | 454   | 200 | 654   | 439   | 208 | 647   | 437   | 208 | 645   | 409   | 226 | 635   | 158  | 85  | 243   |
| 30~39 | 175  | 98  | 273   | 280   | 160 | 440   | 322   | 158 | 480   | 360   | 196 | 556   | 405   | 204 | 609   | 170  | 97  | 267   |
| 40~49 | 84   | 87  | 171   | 164   | 84  | 248   | 158   | 113 | 271   | 167   | 136 | 303   | 180   | 137 | 317   | 93   | 39  | 132   |
| 50~59 | 103  | 57  | 160   | 162   | 96  | 258   | 153   | 128 | 281   | 168   | 115 | 283   | 142   | 101 | 243   | 54   | 55  | 109   |
| 60~69 | 114  | 51  | 165   | 152   | 57  | 209   | 157   | 56  | 213   | 177   | 76  | 253   | 162   | 68  | 230   | 74   | 28  | 102   |
| 70~79 | 44   | 8   | 52    | 80    | 20  | 100   | 84    | 18  | 102   | 92    | 12  | 104   | 92    | 34  | 126   | 38   | 6   | 44    |
| 80~   | 4    | 3   | 7     | 17    | 5   | 22    | 11    | 4   | 15    | 10    | 1   | 11    | 17    | 3   | 20    | 13   | 0   | 13    |
| Total | 911  | 480 | 1,391 | 1,520 | 688 | 2,208 | 1,602 | 764 | 2,366 | 1,669 | 813 | 2,482 | 1,658 | 857 | 2,515 | 710  | 341 | 1,048 |

Table 4 Main Diseases of Outpatients

|              | 1963 |     |               | 1964  |     |                 | 1965  |     |                 | 1966  |     |                 | 1967  |     |                 | 1968 |     |               |
|--------------|------|-----|---------------|-------|-----|-----------------|-------|-----|-----------------|-------|-----|-----------------|-------|-----|-----------------|------|-----|---------------|
|              | M    | F   | T(%)          | M     | F   | T(%)            | M     | F   | T(%)            | M     | F   | T(%)            | M     | F   | T(%)            | M    | F   | T(%)          |
| Tuberculosis | 20   | 11  | 31<br>(2.2)   | 49    | 35  | 84<br>(3.8)     | 65    | 40  | 105<br>(4.4)    | 68    | 34  | 102<br>(4.1)    | 70    | 42  | 112<br>(4.2)    | 35   | 21  | 56<br>(5.3)   |
| Urolithiasis | 106  | 33  | 139<br>(10.0) | 171   | 59  | 230<br>(10.4)   | 211   | 71  | 282<br>(11.9)   | 202   | 77  | 279<br>(11.5)   | 209   | 70  | 279<br>(11.2)   | 73   | 40  | 113<br>(10.9) |
| Tumor        | 122  | 15  | 137<br>(9.9)  | 182   | 17  | 199<br>(9.0)    | 183   | 28  | 211<br>(8.9)    | 201   | 30  | 231<br>(9.3)    | 208   | 20  | 228<br>(9.2)    | 97   | 9   | 106<br>(10.0) |
| Others       | 472  | 338 | 810<br>(58.2) | 820   | 475 | 1,295<br>(58.7) | 866   | 514 | 1,380<br>(58.4) | 953   | 582 | 1,535<br>(61.4) | 981   | 608 | 1,589<br>(63.2) | 414  | 237 | 651<br>(61.9) |
| Normal       | 191  | 83  | 274<br>(19.7) | 298   | 102 | 400<br>(18.1)   | 277   | 111 | 388<br>(16.4)   | 245   | 94  | 339<br>(13.7)   | 190   | 117 | 307<br>(12.2)   | 91   | 34  | 125<br>(11.9) |
| Total        | 911  | 480 | 1,391         | 1,520 | 688 | 2,208           | 1,602 | 764 | 2,366           | 1,669 | 817 | 2,486           | 1,658 | 857 | 2,515           | 710  | 341 | 1,051         |

Table 5 Urogenital Tuberculosis (Outpatients)

|                        | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 |
|------------------------|------|------|------|------|------|------|
| Total Urogenital Tbc   | 5    | 7    | 24   | 30   | 21   | 5    |
| Kidney                 | 14   | 23   | 34   | 34   | 35   | 25   |
| right                  | (5)  | (9)  | (14) | (16) | (8)  | (7)  |
| left                   | (5)  | (6)  | (14) | (13) | (16) | (12) |
| bilateral              | (4)  | (8)  | (6)  | (5)  | (11) | (6)  |
| Bladder                | 1    | 1    | 0    | 2    | 2    | 0    |
| Epididymis             | 11   | 29   | 16   | 13   | 13   | 4    |
| right                  | (5)  | (6)  | (4)  | (4)  | (3)  | (1)  |
| left                   | (1)  | (12) | (6)  | (7)  | (6)  | (2)  |
| bilateral              | (5)  | (11) | (6)  | (2)  | (4)  | (1)  |
| Prostate               | 0    | 1    | 0    | 1    | 2    | 1    |
| Suspicion              |      |      |      |      |      |      |
| Kidney                 | 1    | 1    | 0    | 5    | 8    | 0    |
| Follow-up Cases        |      |      |      |      |      |      |
| After Nephrectomy      | 3    | 16   | 23   | 14   | 26   | 14   |
| After Epididymectomy   | 0    | 0    | 1    | 1    | 0    | 1    |
| After other operations | 0    | 0    | 3    | 1    | 4    | 3    |
| Chemotherapy alone     | 0    | 6    | 4    | 1    | 1    | 3    |
| Total                  | 35   | 84   | 105  | 102  | 112  | 56   |

Table 6 Urolithiasis (Outpatients)

|                                         | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 |
|-----------------------------------------|------|------|------|------|------|------|
| Urolithiasis                            | 5    | 9    | 18   | 20   | 27   | 2    |
| (Over 2 portions)                       |      |      |      |      |      |      |
| Kidney                                  | 32   | 54   | 51   | 51   | 55   | 45   |
| right                                   | (15) | (28) | (26) | (24) | (25) | (24) |
| left                                    | (13) | (22) | (20) | (18) | (27) | (12) |
| bilateral                               | (4)  | (4)  | (5)  | (9)  | (3)  | (9)  |
| Ureter                                  | 61   | 102  | 110  | 107  | 87   | 24   |
| right                                   | (27) | (42) | (46) | (37) | (38) | (6)  |
| left                                    | (34) | (54) | (63) | (68) | (48) | (16) |
| bilateral                               | (0)  | (6)  | (1)  | (2)  | (1)  | (2)  |
| Bladder                                 | 8    | 10   | 18   | 14   | 6    | 4    |
| Prostate                                | 4    | 12   | 25   | 21   | 24   | 7    |
| Urethra                                 | 2    | 4    | 0    | 0    | 3    | 0    |
| Spontaneously passed Stone before visit | 22   | 19   | 37   | 38   | 26   | 9    |
| Suspicion                               |      |      |      |      |      |      |
| Upper urinary Tract                     | 2    | 4    | 0    | 3    | 12   | 2    |
| Follow-up Cases                         |      |      |      |      |      |      |
| Kidney                                  | 0    | 8    | 8    | 11   | 19   | 6    |
| Ureter                                  | 0    | 6    | 7    | 4    | 14   | 3    |
| After Operation                         |      |      |      |      |      |      |
| Upper urinary Tract                     | 0    | 2    | 4    | 8    | 3    | 6    |
| Lower urinary Tract                     | 0    | 0    | 2    | 0    | 2    | 5    |
| Hyperparathyroidism                     | 3    | 0    | 2    | 2    | 1    | 0    |
| Total                                   | 139  | 230  | 282  | 279  | 279  | 113  |

Table 7 Urogenital Tumor (Outpatients)

|                                              | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 |
|----------------------------------------------|------|------|------|------|------|------|
| Adrenal                                      | 1    | 0    | 0    | 0    | 2    | 1    |
| Kidney                                       | 3    | 2    | 6    | 8    | 6    | 3    |
| Ureter                                       | 1    | 1    | 0    | 0    | 1    | 1    |
| Bladder                                      | 24   | 28   | 45   | 28   | 31   | 12   |
| Testis                                       | 3    | 8    | 7    | 2    | 4    | 3    |
| Prostate                                     |      |      |      |      |      |      |
| Hypertrophy                                  | 70   | 104  | 86   | 126  | 105  | 43   |
| Cancer                                       | 12   | 12   | 16   | 12   | 21   | 8    |
| Penis                                        | 4    | 2    | 8    | 4    | 3    | 2    |
| Urethra                                      | 5    | 6    | 9    | 3    | 0    | 1    |
| Others (Infiltration of the Cervical Cancer) | 5    | 7    | 7    | 13   | 8    | 2    |
| Suspicion                                    |      |      |      |      |      |      |
| Kidney                                       | 2    | 1    | 0    | 4    | 3    | 1    |
| Others                                       | 0    | 0    | 0    | 4    | 5    | 1    |
| Follow-up Cases                              |      |      |      |      |      |      |
| Kidney                                       | 0    | 2    | 1    | 0    | 4    | 0    |
| Bladder                                      | 2    | 5    | 12   | 12   | 14   | 16   |
| Testis                                       | 1    | 2    | 2    | 2    | 0    | 0    |
| Prostate                                     |      |      |      |      |      |      |
| Hypertrophy                                  | 2    | 14   | 7    | 7    | 14   | 10   |
| Cancer                                       | 0    | 2    | 2    | 1    | 3    | 2    |
| Penis                                        | 0    | 1    | 1    | 3    | 4    | 0    |
| Others                                       | 2    | 2    | 2    | 2    | 0    | 0    |
| Total                                        | 137  | 199  | 211  | 231  | 228  | 106  |

尿路性器腫瘍 (Table 7) : 前立腺肥大症が各年度ごと40~50%を占め, 膀胱腫瘍, 前立腺癌がこれに次いでいる。

その他の疾患 (Table 8~10) : 結核, 結石, 腫瘍以外の疾患を上部尿路, 下部尿路, 性器疾患に分類した。上部尿路疾患では, 腎下垂症, 腎盂腎炎, 腎性血尿が多く, 最近では, 糸球体腎炎が増加の傾向にある。下部尿路疾患では, 膀胱炎が多数を占め, 膀胱頸部硬化症, 尿道炎, 尿道狭窄などがこれに次いでいる。膀胱頸部硬化症は, 老年者に認めるばかりでなく, 若年者では特に少なからぬ男子の膀胱炎が, 本症にその原因を求められるために比較的多くなっている。性器疾患では, 前立腺炎, 副睾丸炎, 亀頭包皮病, 男性不妊症が多い。

#### 入院患者 (Table 11~24)

入院患者 1,520 名の年度別, 性別, 年齢別頻度は Table 11 のごとく, 漸増の傾向にある。男子が1,059 例, 女子が461例で, 男女比は2.3 : 1である。そして年齢は20~30才台と50~60才台の2峰性の分布を示し

ている。また男子は, 20才台と60才台が, 女子では20~30才台と50才台が多くなっている。

これを疾患別にみると, 結核6.1~10.2%, 平均8.4%, 結石症は20~26.1%, 平均23.5%, 腫瘍は20~24.8%, 平均24.2%であり, これら3疾患で全入院患者の過半数を占めているが, いずれの疾患群もこれという増減を認めない。これに反し腎不全は症例数はまだ少ないが, 逐年増加の傾向にある。

その他の疾患群を上部尿路 (Table 16), 下部尿路 (Table 17), および性器 (Table 18) の3群に分類した。上部尿路疾患304例では腎盂腎炎, 糸球体腎炎, 腎下垂症, 腎出血および水腎症などが主たるものである。下部尿路疾患229例では膀胱頸部硬化症と尿道狭窄が主なものである。性器疾患141例では陰嚢水腫および停留辜丸が主たるものである。

#### 手術 (Table 19~24)

1963 (昭和38) 年度は175例に205回, 1964 (昭和39) 年度は234例に293回, 1965 (昭和40) 年度は225例に258回, 1966 (昭和41) 年度は203例に226回, 1967

(昭和42)年度は239例に264回, 1968(昭和43)年度は87例に105回, すなわち5年間で1,163例に1,351回の手術を行なった。

臓器別にみると副腎の手術が5回, 腎が370回(Table 19), 尿管が155回, 膀胱が181回 (Table 20), 尿路変更法は93回 (Table 21), 尿道および陰茎は129回 (Table 22), 性器および外陰部は310回 (Table 23), 腎不全に対する血液透析, 腹膜灌流法などは77例に施

行された (Table 24).

## 結 語

1963(昭和38)年5月より1967(昭和42)年4月までの教室分離独立以来過去5年間の外来, 入院患者の臨床統計を各年度ごとに分類し, 一括報告した。

(要旨は1968(昭和43)年11月3日, 第19回中部連合地方会で報告した)

(1968年12月24日 受付)

Table 8 Other Diseases of the Upper Urinary Tract (Outpatients)

|                             | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 |
|-----------------------------|------|------|------|------|------|------|
| Kidney                      |      |      |      |      |      |      |
| Pyelonephritis              | 37   | 46   | 54   | 53   | 62   | 29   |
| Hydronephrosis              | 17   | 27   | 16   | 20   | 22   | 7    |
| Renal Hematuria             | 19   | 26   | 30   | 37   | 39   | 18   |
| Glomerulonephritis          | 2    | 7    | 8    | 12   | 18   | 24   |
| Albuminuria                 | 1    | 5    | 0    | 5    | 0    | 0    |
| Non-functioning Kidney      | 0    | 0    | 0    | 2    | 3    | 4    |
| Renal Failure               | 1    | 7    | 8    | 7    | 15   | 10   |
| Hypertension                | 6    | 11   | 7    | 11   | 21   | 4    |
| Chyluria                    | 2    | 6    | 10   | 5    | 7    | 0    |
| Salt Urine                  | 3    | 6    | 2    | 1    | 2    | 2    |
| Renal Injury                | 3    | 2    | 0    | 3    | 2    | 1    |
| Nephroptosis                | 62   | 88   | 133  | 136  | 75   | 26   |
| Duplicated Pelvis           | 4    | 1    | 11   | 15   | 11   | 1    |
| Small Kidney                | 0    | 1    | 3    | 3    | 5    | 1    |
| Polycystic Kidney           | 4    | 6    | 7    | 6    | 5    | 2    |
| Horse-shoe Kidney           | 0    | 1    | 2    | 2    | 3    | 2    |
| Malrotation of Kidney       | 1    | 0    | 1    | 0    | 1    | 0    |
| Leukoplakia of Renal Pelvis | 1    | 1    | 0    | 1    | 1    | 0    |
| Renal Cyst                  | 0    | 2    | 1    | 0    | 7    | 1    |
| Retrocaval Ureter           | 0    | 1    | 0    | 0    | 1    | 0    |
| Perinephritis               | 0    | 1    | 0    | 0    | 0    | 0    |
| Papillary Necrosis          | 0    | 0    | 1    | 0    | 0    | 0    |
| Nephrosis                   | 0    | 0    | 0    | 0    | 4    | 2    |
| Renal Aneurysm              | 0    | 0    | 1    | 0    | 0    | 0    |
| Ureter                      |      |      |      |      |      |      |
| Stenosis                    | 0    | 8    | 7    | 3    | 8    | 0    |
| Ureterovaginal Fistula      | 0    | 1    | 2    | 4    | 1    | 1    |
| V-U Reflux                  | 0    | 1    | 2    | 4    | 3    | 4    |
| Ureterocele                 | 1    | 1    | 0    | 3    | 2    | 0    |
| Total                       | 164  | 256  | 306  | 333  | 318  | 139  |

Table 9 Other Diseases of the Lower Urinary Tract (Outpatients)

|                          | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 |
|--------------------------|------|------|------|------|------|------|
| Bladder                  |      |      |      |      |      |      |
| Cystitis                 | 272  | 275  | 327  | 371  | 397  | 152  |
| Enuresis                 | 13   | 22   | 17   | 30   | 17   | 14   |
| Bladder Neurosis         | 3    | 1    | 3    | 4    | 2    | 2    |
| Bladder Neck Contracture | 49   | 131  | 111  | 128  | 88   | 28   |
| Neurogenic Bladder       | 10   | 27   | 13   | 15   | 30   | 18   |
| Vesicovaginal Fistula    | 4    | 1    | 1    | 1    | 1    | 1    |
| Stress Incontinence      | 9    | 7    | 4    | 1    | 4    | 3    |
| Diverticulum             | 0    | 1    | 5    | 1    | 1    | 0    |
| Rupture of Bladder       | 0    | 0    | 1    | 0    | 1    | 0    |
| Foreign body             | 2    | 1    | 3    | 1    | 3    | 0    |
| Pericystitis             | 0    | 1    | 0    | 0    | 3    | 0    |
| Urethra                  |      |      |      |      |      |      |
| Urethritis               | 39   | 78   | 83   | 90   | 94   | 35   |
| Gonorrhea                | 18   | 12   | 23   | 23   | 20   | 11   |
| Urethral Stricture       | 33   | 42   | 29   | 37   | 67   | 28   |
| After Trauma             | (10) | (11) | (9)  | (15) | (27) | (12) |
| After Gonorrhea          | (23) | (31) | (20) | (22) | (40) | (16) |
| Urethral Caruncle        | 14   | 15   | 18   | 28   | 20   | 13   |
| Urethral Prolapse        | 0    | 3    | 0    | 1    | 2    | 1    |
| Periurethritis           | 1    | 2    | 3    | 2    | 0    | 0    |
| Urethral Fistula         | 1    | 2    | 0    | 2    | 0    | 1    |
| Urethral Rupture         | 2    | 4    | 2    | 3    | 10   | 1    |
| Hypospadias              | 3    | 7    | 12   | 11   | 13   | 10   |
| Duplicated Urethra       | 0    | 1    | 0    | 3    | 1    | 0    |
| Posterior Urethral Valve | 0    | 1    | 1    | 2    | 0    | 0    |
| Trichomonas              | 0    | 0    | 1    | 0    | 6    | 3    |
| Urethral Leukoplakia     | 0    | 0    | 1    | 0    | 0    | 0    |
| Total                    | 473  | 634  | 658  | 754  | 780  | 321  |

Table 10 Other Diseases of Genital Organ (Outpatients)

|                     | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 |
|---------------------|------|------|------|------|------|------|
| Inflammation        |      |      |      |      |      |      |
| Prostatitis         | 13   | 69   | 82   | 105  | 79   | 41   |
| Prostatic Abscess   | 0    | 0    | 0    | 2    | 1    | 0    |
| Seminal Vesiculitis | 1    | 0    | 1    | 2    | 4    | 2    |
| Epididymitis        | 15   | 29   | 40   | 55   | 50   | 15   |
| Balanoposthitis     | 19   | 30   | 45   | 44   | 40   | 3    |
| Others              |      |      |      |      |      |      |
| Condyloma           | 2    | 6    | 3    | 3    | 11   | 2    |
| Phimosis            | 34   | 49   | 50   | 35   | 45   | 18   |
| Male Infertility    |      |      |      |      |      |      |
| Oligozoospermia     | 7    | 19   | 28   | 45   | 98   | 32   |
| Azoospermia         | 10   | 10   | 7    | 21   | 29   | 9    |
| Impotence           | 3    | 6    | 9    | 6    | 6    | 3    |
| Sexual Neurasthenia | 4    | 1    | 3    | 5    | 3    | 0    |
| Hemospermia         | 7    | 6    | 3    | 8    | 8    | 6    |

|                               |     |     |     |     |     |     |
|-------------------------------|-----|-----|-----|-----|-----|-----|
| Hydrocele                     | 13  | 23  | 21  | 17  | 19  | 4   |
| Spermatocele                  | 1   | 3   | 3   | 1   | 2   | 2   |
| Hernia inguinalis             | 0   | 0   | 2   | 1   | 3   | 2   |
| Retentio testis               | 6   | 23  | 18  | 16  | 22  | 10  |
| Scrotal Hematoma              | 1   | 5   | 5   | 8   | 4   | 2   |
| Intersex                      | 7   | 9   | 14  | 11  | 11  | 2   |
| Testicular Failure            | 12  | 23  | 24  | 23  | 19  | 15  |
| Klinefelter's Syndrome        | 3   | 3   | 5   | 3   | 8   | 5   |
| Cushing's Disease             | 0   | 0   | 1   | 0   | 0   | 0   |
| Turner's Syndrome             | 0   | 1   | 0   | 0   | 0   | 0   |
| Rapheal Cyst                  | 0   | 3   | 2   | 3   | 3   | 1   |
| Varicocele                    | 2   | 3   | 2   | 7   | 7   | 5   |
| (Vasectomy)                   | 11  | 15  | 25  | 18  | 19  | 8   |
| Injury of the Penis           | 0   | 3   | 2   | 5   | 4   | 2   |
| Priapism                      | 0   | 0   | 1   | 0   | 1   | 0   |
| Torsion of the Spermatic Cord | 0   | 0   | 2   | 0   | 1   | 0   |
| Elongated Epididymis          | 0   | 0   | 1   | 0   | 2   | 0   |
| Induratio penis plastica      | 0   | 0   | 0   | 0   | 4   | 2   |
| Others                        | 2   | 3   | 1   | 4   | 1   | 1   |
| Total                         | 173 | 342 | 400 | 448 | 504 | 192 |

Table 11 Age and Sex of Inpatients

|       | 1963 |    |     | 1964 |    |     | 1965 |    |     | 1966 |    |     | 1967 |     |     | 1968 |    |     |
|-------|------|----|-----|------|----|-----|------|----|-----|------|----|-----|------|-----|-----|------|----|-----|
|       | M    | F  | T   | M    | F  | T   | M    | F  | T   | M    | F  | T   | M    | F   | T   | M    | F  | T   |
| ～ 9   | 11   | 2  | 13  | 14   | 4  | 18  | 15   | 0  | 15  | 8    | 3  | 11  | 15   | 7   | 22  | 10   | 3  | 13  |
| 10～19 | 7    | 4  | 11  | 19   | 2  | 21  | 15   | 4  | 19  | 9    | 4  | 13  | 20   | 5   | 25  | 3    | 1  | 4   |
| 20～29 | 37   | 12 | 49  | 44   | 17 | 61  | 31   | 13 | 44  | 35   | 19 | 54  | 32   | 21  | 53  | 10   | 12 | 22  |
| 30～39 | 17   | 16 | 33  | 28   | 12 | 40  | 26   | 18 | 44  | 31   | 18 | 49  | 28   | 22  | 50  | 8    | 11 | 19  |
| 40～49 | 9    | 14 | 23  | 13   | 14 | 27  | 20   | 8  | 28  | 27   | 13 | 40  | 36   | 19  | 55  | 15   | 3  | 18  |
| 50～59 | 23   | 12 | 35  | 30   | 18 | 48  | 18   | 19 | 37  | 28   | 21 | 49  | 24   | 14  | 38  | 10   | 9  | 19  |
| 60～69 | 31   | 9  | 40  | 42   | 12 | 54  | 46   | 10 | 56  | 35   | 6  | 41  | 46   | 13  | 59  | 8    | 1  | 9   |
| 70～79 | 22   | 1  | 23  | 22   | 0  | 22  | 25   | 5  | 30  | 19   | 3  | 22  | 19   | 2   | 21  | 6    | 0  | 6   |
| 80～   | 3    | 2  | 5   | 1    | 3  | 4   | 0    | 0  | 0   | 1    | 0  | 1   | 5    | 0   | 5   | 2    | 0  | 2   |
| Total | 160  | 72 | 232 | 213  | 82 | 295 | 196  | 77 | 273 | 193  | 87 | 280 | 225  | 103 | 328 | 72   | 40 | 112 |

Table 12 Main Diseases of Inpatients

|               | 1963 |    |              | 1964 |    |               | 1965 |    |               | 1966 |    |               | 1967 |     |               | 1968 |    |              |
|---------------|------|----|--------------|------|----|---------------|------|----|---------------|------|----|---------------|------|-----|---------------|------|----|--------------|
|               | M    | F  | T(%)         | M    | F  | T(%)          | M    | F  | T(%)          | M    | F  | T(%)          | M    | F   | T(%)          | M    | F  | T(%)         |
| Tuberculosis  | 7    | 8  | 15<br>(6.2)  | 15   | 9  | 24<br>(7.6)   | 19   | 7  | 26<br>(8.7)   | 20   | 11 | 31<br>(10.2)  | 18   | 7   | 25<br>(7.4)   | 4    | 3  | 7<br>(6.1)   |
| Urolithiasis  | 42   | 16 | 58<br>(23.9) | 50   | 15 | 65<br>(20.9)  | 39   | 24 | 63<br>(21.1)  | 59   | 20 | 79<br>(26.1)  | 43   | 26  | 69<br>(20.4)  | 15   | 8  | 23<br>(20.0) |
| Tumor         | 52   | 8  | 60<br>(24.8) | 67   | 8  | 75<br>(23.8)  | 59   | 7  | 66<br>(22.2)  | 55   | 14 | 69<br>(22.8)  | 62   | 14  | 76<br>(22.5)  | 19   | 4  | 23<br>(20.0) |
| Renal Failure | 1    | 3  | 4<br>(1.7)   | 4    | 2  | 6<br>(1.9)    | 11   | 3  | 14<br>(4.7)   | 6    | 5  | 11<br>(3.6)   | 15   | 5   | 20<br>(5.9)   | 8    | 2  | 10<br>(8.7)  |
| Others        | 57   | 36 | 93<br>(38.4) | 89   | 49 | 138<br>(43.8) | 87   | 42 | 129<br>(43.3) | 70   | 41 | 111<br>(36.6) | 95   | 50  | 145<br>(42.9) | 31   | 21 | 52<br>(45.2) |
| Normal        | 8    | 4  | 12<br>(5.0)  | 6    | 1  | 7<br>(2.2)    | 0    | 0  | 0<br>(0)      | 1    | 1  | 2<br>(0.7)    | 3    | 0   | 3<br>(0.9)    | 0    | 0  | 0<br>(0)     |
| Total         | 167  | 75 | 242          | 231  | 84 | 315           | 215  | 83 | 298           | 211  | 92 | 303           | 236  | 102 | 338           | 77   | 38 | 115          |

Table 13 Urogenital Tuberculosis (Inpatients)

|                      | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 |
|----------------------|------|------|------|------|------|------|
| Total Urogenital Tbc | 1    | 3    | 4    | 6    | 6    | 1    |
| Kidney & Ureter      | 9    | 14   | 15   | 21   | 12   | 5    |
| Contracted Bladder   | 0    | 2    | 0    | 0    | 0    | 0    |
| Epididymis           | 5    | 5    | 7    | 3    | 7    | 1    |
| Prostate             | 0    | 0    | 0    | 1    | 0    | 0    |
| Total                | 15   | 24   | 26   | 31   | 25   | 7    |

Table 14 Urolithiasis (Inpatients)

|                                | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 |
|--------------------------------|------|------|------|------|------|------|
| Urolithiasis (Over 2 portions) | 3    | 9    | 8    | 12   | 9    | 2    |
| Kidney                         | 22   | 16   | 19   | 21   | 28   | 12   |
| Ureter                         | 26   | 28   | 23   | 32   | 24   | 7    |
| Bladder                        | 5    | 6    | 5    | 6    | 5    | 1    |
| Prostate                       | 1    | 5    | 4    | 6    | 3    | 1    |
| Urethra                        | 0    | 1    | 0    | 1    | 0    | 0    |
| Hyperparathyroidism            | 1    | 0    | 4    | 1    | 0    | 0    |
| Total                          | 58   | 65   | 63   | 79   | 69   | 23   |

Table 15 Urogenital Tumors (Inpatients)

|             | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 |
|-------------|------|------|------|------|------|------|
| Adrenal     | 1    | 0    | 1    | 1    | 1    | 0    |
| Kidney      | 2    | 5    | 6    | 7    | 4    | 1    |
| Ureter      | 1    | 1    | 0    | 2    | 1    | 0    |
| Bladder     | 15   | 24   | 20   | 17   | 23   | 9    |
| Testis      | 2    | 6    | 4    | 2    | 2    | 2    |
| Prostate    | 30   | 29   | 22   | 26   | 23   | 5    |
| Hypertrophy |      |      |      |      |      |      |
| Cancer      | 3    | 6    | 5    | 3    | 12   | 2    |
| Penis       | 0    | 3    | 5    | 2    | 2    | 1    |
| Urethra     | 3    | 1    | 1    | 3    | 2    | 0    |
| Others      | 3    | 0    | 2    | 6    | 6    | 3    |
| Total       | 60   | 75   | 66   | 69   | 76   | 23   |

Table 16 Other Diseases of the Upper Urinary Tract (Inpatients)

|                    | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 |
|--------------------|------|------|------|------|------|------|
| Kidney             |      |      |      |      |      |      |
| Pyelonephritis     | 5    | 5    | 7    | 7    | 10   | 5    |
| Glomerulonephritis | 4    | 1    | 0    | 6    | 14   | 9    |
| Nephroptosis       | 9    | 13   | 15   | 8    | 7    | 4    |
| Renal Hematuria    | 4    | 5    | 9    | 7    | 17   | 5    |
| Renal Cyst         | 0    | 2    | 5    | 1    | 2    | 0    |
| Injury             | 1    | 0    | 1    | 1    | 0    | 0    |
| Renal Hypertension | 4    | 2    | 3    | 8    | 6    | 1    |
| Polycystic Kidney  | 2    | 0    | 2    | 1    | 1    | 0    |
| Hydronephrosis     | 4    | 10   | 2    | 5    | 3    | 0    |
| Small Kidney       | 0    | 0    | 0    | 1    | 2    | 3    |
| Chyluria           | 2    | 4    | 3    | 2    | 4    | 0    |
| Horse-shoe Kidney  | 0    | 1    | 0    | 1    | 1    | 0    |
| Duplicated Pelvis  | 0    | 2    | 0    | 0    | 1    | 0    |
| Pyonephrosis       | 4    | 0    | 1    | 0    | 3    | 2    |
| Aneurysm           | 0    | 0    | 1    | 0    | 1    | 0    |
| Others             | 1    | 0    | 0    | 3    | 0    | 0    |
| Ureter             |      |      |      |      |      |      |
| Ureteric Stenosis  | 0    | 1    | 6    | 2    | 0    | 0    |
| Ureteric Fistula   | 0    | 2    | 2    | 0    | 0    | 0    |
| Ureterocele        | 1    | 0    | 0    | 1    | 3    | 0    |
| V-U reflux         | 0    | 2    | 4    | 1    | 2    | 3    |
| Total              | 41   | 50   | 61   | 55   | 77   | 32   |

Table 17 Other Diseases of the Lower Urinary Tract (Inpatients)

|                        | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 |
|------------------------|------|------|------|------|------|------|
| Bladder                |      |      |      |      |      |      |
| Bladder Neck Disease   | 11   | 13   | 10   | 7    | 10   | 3    |
| Neurogenic Bladder     | 3    | 5    | 6    | 2    | 2    | 2    |
| Vesico-vaginal Fistula | 0    | 1    | 0    | 3    | 1    | 0    |
| Diverticulum           | 0    | 2    | 0    | 0    | 1    | 1    |
| Pericystitis           | 0    | 1    | 0    | 0    | 1    | 0    |
| Rupture                | 0    | 0    | 0    | 0    | 1    | 0    |
| Cystitis               | 4    | 4    | 5    | 0    | 1    | 0    |
| Foreign Body           | 0    | 0    | 0    | 1    | 0    | 0    |
| Urethra                |      |      |      |      |      |      |
| Stenosis               | 6    | 11   | 6    | 9    | 6    | 1    |
| Rupture                | 1    | 1    | 0    | 2    | 2    | 0    |
| Fistula                | 0    | 1    | 0    | 1    | 1    | 0    |
| Prolapsus urethrae     | 0    | 1    | 0    | 1    | 0    | 0    |
| Caruncle               | 6    | 8    | 6    | 8    | 7    | 2    |
| Hypospadias            | 1    | 4    | 3    | 1    | 8    | 2    |
| Diverticulum           | 0    | 0    | 0    | 1    | 0    | 1    |
| Foreign Body           | 0    | 1    | 1    | 0    | 0    | 0    |
| Rapheal Cyst           | 0    | 1    | 1    | 0    | 0    | 0    |
| Others                 | 0    | 0    | 0    | 1    | 2    | 0    |
| Total                  | 32   | 54   | 38   | 37   | 43   | 12   |

Table 18 Other Diseases of Genital Organ (Inpatients)

|                               | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 |
|-------------------------------|------|------|------|------|------|------|
| Epididymitis                  | 4    | 2    | 8    | 3    | 3    | 1    |
| Hydrocele                     | 5    | 7    | 4    | 8    | 5    | 2    |
| Retentio testis               | 3    | 8    | 8    | 1    | 8    | 1    |
| Prostatic Abscess             | 0    | 0    | 1    | 0    | 0    | 0    |
| Vesiculitis                   | 0    | 0    | 1    | 0    | 0    | 0    |
| Cyst of Seminal Vesicle       | 0    | 0    | 1    | 0    | 0    | 0    |
| Hemospermia                   | 0    | 0    | 0    | 0    | 2    | 0    |
| Testicular Injury             | 1    | 0    | 0    | 0    | 3    | 0    |
| Varicocele                    | 0    | 0    | 0    | 0    | 1    | 0    |
| Torsion of the Spermatic Cord | 0    | 2    | 0    | 0    | 0    | 0    |
| Injury of the Penis           | 1    | 0    | 0    | 1    | 0    | 0    |
| Priapism                      | 1    | 0    | 0    | 0    | 0    | 0    |
| Phimosis                      | 1    | 3    | 2    | 2    | 3    | 1    |
| Male Infertility              | 1    | 0    | 0    | 0    | 0    | 0    |
| Testicular Failure            | 1    | 0    | 3    | 1    | 3    | 1    |
| Intersex                      | 1    | 9    | 2    | 3    | 3    | 1    |
| Turner's Syndrome             | 0    | 1    | 0    | 0    | 0    | 0    |
| Klinefelter's Syndrome        | 1    | 0    | 0    | 0    | 0    | 0    |
| Others                        | 0    | 2    | 0    | 0    | 0    | 0    |
| Total                         | 20   | 34   | 30   | 19   | 31   | 7    |

Table 19 Operation— 1) Adrenal and Kidney

|                               | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | Total |
|-------------------------------|------|------|------|------|------|------|-------|
| Adrenal                       |      |      |      |      |      |      |       |
| Adrenalectomy                 | 1    | 1    | 1    | 1    | 0    | 1    | 5     |
| Kidney                        |      |      |      |      |      |      |       |
| Nephrectomy                   | 12   | 13   | 12   | 27   | 23   | 9    | 96    |
| Partial Nephrectomy           | 13   | 25   | 14   | 4    | 12   | 7    | 75    |
| Nephropexy                    | 8    | 16   | 11   | 5    | 4    | 3    | 47    |
| Pyelolithotomy                | 5    | 5    | 10   | 6    | 13   | 1    | 40    |
| Renal Biopsy (needle or open) | 1    | 4    | 4    | 6    | 9    | 11   | 35    |
| Nephrostomy                   | 2    | 4    | 7    | 6    | 1    | 2    | 22    |
| Nephrolithotomy               | 0    | 1    | 2    | 6    | 1    | 1    | 11    |
| Total Nephroureterectomy      | 1    | 4    | 1    | 2    | 0    | 1    | 9     |
| Pyeloplasty                   | 1    | 1    | 2    | 1    | 1    | 0    | 6     |
| Bilateral Nephrectomy         | 0    | 0    | 0    | 0    | 2    | 4    | 6     |
| Excision of Renal Cyst        | 0    | 1    | 2    | 0    | 1    | 0    | 4     |
| Decapsulation                 | 0    | 0    | 0    | 2    | 1    | 0    | 3     |
| Hemi-nephrectomy              | 0    | 1    | 0    | 1    | 0    | 0    | 2     |
| Cavernotomy                   | 0    | 0    | 0    | 1    | 0    | 0    | 1     |
| Others                        | 5    | 4    | 2    | 0    | 2    | 0    | 13    |
| Total                         | 49   | 80   | 68   | 68   | 70   | 40   | 375   |

Table 20 Operations— 2) Ureter and Bladder

|                            | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | Total |
|----------------------------|------|------|------|------|------|------|-------|
| Ureter                     |      |      |      |      |      |      |       |
| Ureterolithotomy           | 27   | 25   | 17   | 25   | 26   | 6    | 126   |
| Ureterolysis               | 0    | 4    | 6    | 0    | 0    | 0    | 10    |
| Ureterostomy in situ       | 0    | 0    | 3    | 3    | 2    | 0    | 8     |
| Dormia's Stone Dislodger   | 0    | 1    | 4    | 1    | 0    | 0    | 6     |
| Ureterocelelectomy         | 1    | 0    | 0    | 0    | 2    | 0    | 3     |
| Others                     | 1    | 0    | 0    | 1    | 0    | 0    | 2     |
| Bladder                    |      |      |      |      |      |      |       |
| Cystolithotomy             | 8    | 7    | 4    | 5    | 5    | 2    | 31    |
| Anterior Y-V Plasty        | 8    | 6    | 4    | 5    | 7    | 1    | 31    |
| Partial Cystectomy         | 7    | 14   | 3    | 2    | 1    | 0    | 27    |
| Total Cystectomy           | 4    | 3    | 7    | 4    | 4    | 1    | 23    |
| Cystostomy                 | 3    | 4    | 7    | 2    | 4    | 0    | 20    |
| Cystolithotripsy           | 1    | 0    | 0    | 3    | 0    | 1    | 5     |
| Closure of Vaginal Fistula | 0    | 0    | 0    | 2    | 0    | 0    | 2     |
| Others                     | 1    | 2    | 4    | 0    | 0    | 1    | 8     |
| T. U. R. B.                | 0    | 0    | 11   | 9    | 8    | 6    | 34    |
| Total                      | 61   | 66   | 70   | 62   | 59   | 18   | 336   |

Table 21 Operations— 3) Urinary Diversion

|                          | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | Total |
|--------------------------|------|------|------|------|------|------|-------|
| Ureterocystoneostomy     |      |      |      |      |      |      |       |
| Boari                    | 0    | 2    | 2    | 1    | 2    | 1    | 8     |
| Paquin                   | 0    | 2    | 1    | 2    | 0    | 1    | 6     |
| Politano-Leadbetter      | 0    | 1    | 1    | 1    | 0    | 0    | 3     |
| Gregoir (Antireflux)     | 0    | 0    | 1    | 0    | 0    | 1    | 2     |
| Ureteroileocystoneostomy | 1    | 6    | 2    | 0    | 0    | 0    | 9     |
| Scheele's Op.            | 1    | 2    | 0    | 0    | 0    | 0    | 3     |
| Ureterocutaneostomy      | 8    | 9    | 6    | 2    | 6    | 2    | 33    |
| Cross Ureterostomy       | 0    | 0    | 0    | 0    | 3    | 1    | 4     |
| Ileal Conduit            | 2    | 1    | 7    | 5    | 1    | 1    | 17    |
| Ureterosigmoidostomy     | 0    | 0    | 2    | 2    | 4    | 0    | 8     |
| Total                    | 12   | 23   | 22   | 13   | 16   | 7    | 93    |

Table 22 Operations— 4) Urethra and Penis

|                      | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | Total |
|----------------------|------|------|------|------|------|------|-------|
| Urethra              |      |      |      |      |      |      |       |
| Urethrotomia interna | 6    | 8    | 3    | 1    | 4    | 0    | 22    |
| externa              | 0    | 2    | 1    | 2    | 0    | 1    | 6     |

|                          |    |    |    |    |    |   |     |
|--------------------------|----|----|----|----|----|---|-----|
| Carunclectomy            | 9  | 7  | 5  | 12 | 7  | 1 | 41  |
| Chordeectomy             | 1  | 3  | 3  | 1  | 2  | 3 | 13  |
| Denis-Browne's Op.       | 1  | 2  | 1  | 0  | 3  | 0 | 7   |
| Meatotomy                | 0  | 0  | 0  | 1  | 3  | 0 | 4   |
| Urethrectomy             | 0  | 1  | 0  | 0  | 0  | 0 | 1   |
| Marshall-Marchetti's Op. | 0  | 0  | 1  | 0  | 0  | 0 | 1   |
| Others                   | 3  | 2  | 3  | 1  | 2  | 0 | 11  |
| Penis                    |    |    |    |    |    |   |     |
| Amputation               | 1  | 4  | 3  | 2  | 0  | 1 | 11  |
| Phallectomy              | 1  | 2  | 3  | 2  | 2  | 2 | 12  |
| Total                    | 22 | 31 | 23 | 22 | 23 | 8 | 129 |

Table 23 Operations— 5) Prostate and Scrotal content

|                        | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | Total |
|------------------------|------|------|------|------|------|------|-------|
| Prostate               |      |      |      |      |      |      |       |
| Prostatectomy          | 26   | 26   | 13   | 19   | 22   | 4    | 110   |
| Subtotal Prostatectomy | 2    | 7    | 8    | 1    | 1    | 0    | 19    |
| Total Prostatectomy    | 1    | 3    | 2    | 1    | 0    | 0    | 7     |
| Scrotal Content        |      |      |      |      |      |      |       |
| Orchiectomy            | 7    | 15   | 12   | 8    | 15   | 7    | 64    |
| Epididymectomy         | 6    | 8    | 10   | 3    | 8    | 0    | 35    |
| Orchiopexy             | 3    | 8    | 8    | 2    | 6    | 3    | 30    |
| Hydrocelectomy         | 5    | 5    | 2    | 8    | 3    | 2    | 25    |
| Biopsy of the Testis   | 2    | 1    | 1    | 0    | 2    | 0    | 6     |
| Varicocelectomy        | 0    | 0    | 0    | 0    | 1    | 0    | 1     |
| Others                 | 4    | 5    | 0    | 1    | 3    | 0    | 13    |
| Total                  | 56   | 78   | 56   | 43   | 61   | 16   | 310   |

Table 24 Operations— 6) Miscellaneous

|                             | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | Total |
|-----------------------------|------|------|------|------|------|------|-------|
| Laparotomy                  | 1    | 5    | 2    | 3    | 3    | 0    | 14    |
| Artificial Anus             | 0    | 1    | 1    | 2    | 1    | 0    | 5     |
| Parathyroidectomy           | 0    | 0    | 2    | 2    | 0    | 0    | 4     |
| Nagamatsu's Op.             | 0    | 2    | 1    | 0    | 0    | 0    | 3     |
| Lymph-Venous Anast.         | 0    | 0    | 2    | 0    | 0    | 0    | 2     |
| Cavo-cavostomy              | 0    | 1    | 0    | 0    | 0    | 0    | 1     |
| Bypass Graft                | 0    | 0    | 0    | 1    | 0    | 0    | 1     |
| Aneurysmectomy              | 0    | 0    | 0    | 0    | 1    | 0    | 1     |
| Renal Failure               |      |      |      |      |      |      |       |
| Peritoneal Lavage           | 1    | 5    | 8    | 4    | 7    | 4    | 29    |
| Artificial Kidney           | 0    | 0    | 1    | 5    | 19   | 10   | 35    |
| Thoracic Duct Lymphdrainage | 3    | 1    | 2    | 1    | 0    | 0    | 7     |
| Transplantation             | 0    | 0    | 0    | 0    | 4    | 2    | 6     |
| Total                       | 5    | 15   | 19   | 18   | 35   | 16   | 108   |