

**Table 1:** Clinical and laboratory patients' characteristics (n=100).

| Parameter                                       | Mean± SD/ Median (25th-75th) or percentage | Range       |
|-------------------------------------------------|--------------------------------------------|-------------|
| <b>History:</b>                                 |                                            |             |
| Age (Years)                                     | 39 (31-45)                                 | 22-55       |
| Smoking (%)                                     | 52%                                        |             |
| • Smoking history (years)                       | 14.5 (11.25-20)                            | 5-33        |
| • Cigarette/day                                 | 20 (15-30)                                 | 10-40       |
| • Brinkman smoking index                        | 300 (202.5-510)                            | 90-1320     |
| Occupation:                                     | 53%                                        |             |
| • Manual worker/farmer                          | 33%                                        |             |
| • Employee                                      | 14%                                        |             |
| • Driver                                        |                                            |             |
| <b>Sexual history:</b>                          |                                            |             |
| Marriage duration (years)                       | 10 (5-16)                                  | 1-26        |
| <b>Patients sexual complaint:</b>               |                                            |             |
| • Desire problem complaint                      | 7%                                         |             |
| • Erectile dysfunction complaint                | 57%                                        |             |
| • Premature ejaculation complaint               | 76%                                        |             |
| • Orgasmic disorder complaint                   | 17%                                        |             |
| • Mixed sexual dysfunction complaint            | 43%                                        |             |
| Sexual complaint duration (months)              | 11 (8-18)                                  | 6-108       |
| Frequency of intercourse/week                   | 2 (2-3)                                    | 1-4         |
| Wife age (years)                                | 33.29±7.47                                 | 18-48       |
| <b>Drug abuse history :</b>                     |                                            |             |
| Positive drug abuse history                     | 43%                                        |             |
| Drug abuse duration (years)                     | 5 (3-6.25)                                 | 1-20        |
| Route of drug administration:                   |                                            |             |
| • Oral                                          | 54.8%                                      |             |
| • Inhalation                                    | 23.8%                                      |             |
| • Oral/Inhalation                               | 21.4%                                      |             |
| Types of drug abuse:                            |                                            |             |
| • Tramadol                                      | 25%                                        |             |
| • THC                                           | 19%                                        |             |
| • Opiates                                       | 9%                                         |             |
| • Benzodiazepines                               | 4%                                         |             |
| History of hospital admission due to drug abuse | 7.3%                                       |             |
| <b>General examination:</b>                     |                                            |             |
| Weight (Kg)                                     | 79.07±10                                   | 63-100      |
| Height (M)                                      | 1.66± 0.05                                 | 1.58-1.80   |
| BMI (Kg/m2)                                     | 23.63± 2.37                                | 19.94-27.78 |
| <b>Hormonal profile:</b>                        |                                            |             |
| • Total testosterone (TT) (ng/ml)               | 6.3 (2.67-7.55)                            | 0.22-9.67   |
| • LH (mIU/ml)                                   | 3.1(2.1-5)                                 | 0.21-7.13   |
| • FSH (mIU/ml)                                  | 3.5(1.86-5.01)                             | 0.23-17.30  |
| <b>Sexual function evaluation:</b>              |                                            |             |

|            |            |       |
|------------|------------|-------|
| SHIM score | 15 (12-19) | 5-24  |
| EHS        | 3 (2-3)    | 1-3   |
| AIPE       | 19 (16-24) | 12-30 |

**Table 2:** The result of the binary logistic regression to identify positive drug abuse urine testing using the smoking, history of drug abuse and occupation (driver) variables.

| Variable              | B     | S.E.  | Wald   | df | Sig. | Exp (B) | 95% C.I. for EXP(B) |         |
|-----------------------|-------|-------|--------|----|------|---------|---------------------|---------|
|                       |       |       |        |    |      |         | Lower               | Upper   |
| Smoking               | 3.109 | .853  | 13.279 | 1  | .000 | 22.39   | 4.207               | 119.190 |
| History of drug abuse | 3.009 | .693  | 18.867 | 1  | .000 | 20.26   | 5.213               | 78.761  |
| Occupation (Driver)   | 1.018 | 1.198 | .721   | 1  | .396 | 2.767   | .264                | 28.971  |

**Table (3).** Patients classification according the result of drug abuse (n=100).

| Parameter                            | Negative drug abuse<br>n= 65<br>Mean± SD/ Median (25 <sup>th</sup> -75 <sup>th</sup> ) or percentage | Positive drug abuse<br>n= 35<br>Mean± SD/ Median (25 <sup>th</sup> -75 <sup>th</sup> ) or percentage | P Value    |
|--------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------|
| History:                             |                                                                                                      |                                                                                                      |            |
| Age (Years)                          | 40 (31-47)                                                                                           | 39 (33-34)                                                                                           | 0.553#     |
| Smoking (%)                          | 19%                                                                                                  | 33%                                                                                                  | * <0.0001¶ |
| • Smoking history (years)            | 16 (10-20)                                                                                           | 14 (12-20)                                                                                           | 0.894 #    |
| • Cigarette/day                      | 25 (15-40)                                                                                           | 20 (15-30)                                                                                           | 0.367 #    |
| • Brinkman smoking index             | 330 (200-560)                                                                                        | 300 (205-410)                                                                                        | 0.562 #    |
| Occupation:                          | 34%                                                                                                  | 19%                                                                                                  | * 0.018 ¶  |
| • Manual worker/farmer               | 26%                                                                                                  | 7%                                                                                                   |            |
| • Employee                           | 5%                                                                                                   | 9%                                                                                                   |            |
| • Driver                             |                                                                                                      |                                                                                                      |            |
| Sexual history:                      |                                                                                                      |                                                                                                      |            |
| Marriage duration (years)            | 11 (4-16)                                                                                            | 10 (6-15)                                                                                            | 0.983 #    |
| Patients sexual complaint:           |                                                                                                      |                                                                                                      |            |
| • Desire problem complaint           | 4%                                                                                                   | 3%                                                                                                   | 0.651 ¶    |
| • Erectile dysfunction complaint     | 36%                                                                                                  | 21%                                                                                                  | 0.657 ¶    |
| • Premature ejaculation complaint    | 50%                                                                                                  | 26%                                                                                                  | 0.768 ¶    |
| • Orgasmic disorder complaint        | 11%                                                                                                  | 6%                                                                                                   | 0.978 ¶    |
| • Mixed sexualdysfunc tion complaint | 27%                                                                                                  | 16%                                                                                                  | 0.687 ¶    |
| Sexual complaint duration (months)   | 10 (8-17)                                                                                            | 12 (7-20)                                                                                            | 0.373 #    |
| Frequency of intercourse/week        | 2 (2-3)                                                                                              | 2 (2-3)                                                                                              | 0.825 #    |
| Wife age (years)                     | 33.71± 8                                                                                             | 32.51± 6.4                                                                                           | 0.419 §    |
| Drug abuse history :                 |                                                                                                      |                                                                                                      |            |
| Positive drug abuse history          | 12%                                                                                                  | 31%                                                                                                  | * <0.0001¶ |

|                                                                                                                                     |                  |                 |         |         |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|---------|---------|
| Drug abuse duration (yrs)                                                                                                           | 3 (2.25-4.75)    | 5 (3-7.75)      | 0.056 # |         |
| Route of drug administration: <ul style="list-style-type: none"><li>• Oral</li><li>• Inhalation</li><li>• Oral/Inhalation</li></ul> | 9%<br>3%<br>0%   | 14%<br>7%<br>9% | 0.088 ¶ |         |
| General examination:                                                                                                                |                  |                 |         |         |
| Weight (Kg)                                                                                                                         | 80.56± 7.65      | 76.4± 13.93     |         | 0.479 § |
| Height (M)                                                                                                                          | 1.68± 0.03       | 1.65± 0.08      |         | 0.366 § |
| BMI (Kg/m²)                                                                                                                         | 23.96± 2.12      | 23.03± 2.92     | 0.505 § |         |
| Hormonal profile:                                                                                                                   |                  |                 |         |         |
| • Total testosterone (TT) (ng/ml)                                                                                                   | 6.32 (3.08-7.66) | 6.24 (2.39-7.4) | 0.501 # |         |
| • LH (mIU/ml)                                                                                                                       | 3.23 (2.05-5.02) | 3.1 (2.1-4.2)   | 0.963 # |         |
| • FSH (mIU/ml)                                                                                                                      | 2.9 (1.87-4.62)  | 4.21 (1.85-5.6) | 0.404 # |         |
| Sexual function evaluation:                                                                                                         |                  |                 |         |         |
| SHIM score                                                                                                                          | 15 (11-20)       | 15 (12-19)      | 0.742 # |         |
| EHS                                                                                                                                 | 3 (2-3)          | 3 (2-3)         | 0.756 # |         |
| AIPE                                                                                                                                | 19 (16-24)       | 20 (16-25)      | 0.653 # |         |