**Table 1. The Correlation Between Signs and Symptoms, and Cytological Findings**

|  |  |  |
| --- | --- | --- |
| **Sign and symptom** | **Dark specks** | **Dark oval bodies** |
| Neck lumps | 21 (49%) | 11 (26%) |
| Night sweats | 2 (5%) | 1 (2%) |
| Loss of appetite | 3(7%) | 1(2%) |
| Chest discomfort | 1 (2%) | 0 (0%) |
| Headaches | 2 (5%0 | 1 (2%) |

**Table 2. The cCrrelation Between Cytology, Immunocytochemical Staining, and Antituberculous Drug Responses**

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Cytology** | **Immunocytochemical positivity** | **Antituberculous drug responses positivity** |
| Dark specks | 25 (58%) | 21 (60%) | 20 (62%) |
| Dark oval bodies | 18 (42%) | 14 (40%) | 12 (38%) |
| Total | 43 | 35 | 32 |

**Table 3. The Diagnostic Efficiency of Immunocytochemical Staining with Dark Specks Features, Taking Antituberculous Drug Response as the Gold Standard**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | Antituberculous drug response | | Total | p-value\* |
|  |  | Positive | Negative |
| Immunocytochemical staining rabbit polyclonal to Mycobacterium tuberculosis antibody | Positive | 20 TP | 1 FP | 21 | 0.000 |
| Negative | 0 FN | 4 TN | 4 |  |
|  |  | 20 | 5 | 25 |  |

\*Fisher’s exact test: p<0.05

TP, true positive; FP, false positive; FN, false negative; TN, true negative

**Table 4. The Diagnostic Efficiency of Immunocytochemical Staining with Dark Oval Bodies Features, Taking Antituberculous Drug Response as the Gold Standard**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | Antituberculous drug response | | Total | p-value\* |
|  |  | Positive | Negative |
| Immunocytochemical staining rabbit polyclonal to Mycobacterium tuberculosis antibody | Positive | 12 TP | 2 FP | 14 | 0.005 |
| Negative | 0 FN | 4 TN | 4 |  |
|  |  | 12 | 6 | 18 |  |

\*Fisher’s exact test: p<0.05

TP, true positive; FP, false positive; FN, false negative; TN, true negative

**Table 5. Different Studies on Immunocytochemical Staining for Mycobacterium tuberculosis**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Author** | **Material** | **Antibody** | **Result** | |
| **Sensitivity** | **Specificity** |
| 1 | Goel et al(20) | Aspirates from various  EPTB | MTSS 38 kDa antibody | 97.3% | 100% |
| 2 | Tadele et al(7) | Lymph node and pleural fluids | MPT64 antibody | 74.5% | 89.5% |
| 3 | Prapanna et al(8) | Aspirate from various  EPTB | Rabbit polyclonal antibody to Mycobacterium tuberculosis | 96.92% | 95% |