**Table 1**: Analytical and assessment characteristics

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| **NO.** | **ASSESSMENT** | **EXPLAINATION** |
| 1. | Blood sample | **Blood collection**- 10 ml of venous blood were taken by a trained nurse. - The whole blood will be collected into plain polyethylene tube until blood clot formation. - The clots will be separated from the wall of tube using a wooden applicator stick. - The serum will be separated by centrifugation 10,000g at 4°C for 15 min to eliminate debris and cellular matter.**Blood test****1) Substance P**- The blood serum will be tested using Human Substance P EIA kit (Cusabio Biotech)**2) Cytokines**- The blood serum will be tested individually using their Elisa kits to investigatea) TNF-αb) IL-1βc) IL-6d) IL-8e) IL-10c) monocyte chemotactic protein-1(MCP-1)d) The soluble form of intercellular adhesion molecule (Sicam-1). |
| 2. | Saliva sample | **Saliva collection**- 3 to 4 ml of unstimulated (resting) whole saliva was  collected 2 minutes after the patients had rinsed his  mouth several times with tap water. - The accumulated saliva in the floor of the mouth was  drawn by a plastic disposable pipette and collected into  a plastic polyethylene tube. - The collected saliva was centrifuged 10,000g at 4°C for 15 min to eliminate debris and cellular matter.**Blood test****1) Substance P**- The blood serum will be tested using Human Substance P EIA kit (Cusabio Biotech)**2) Cytokines**- The blood serum will be tested individually using their Elisa kits to investigate:a) TNF-αb) IL-1βc) IL-6d) IL-8e) IL-10c) monocyte chemotactic protein-1(MCP-1)d) The soluble form of intercellular adhesion molecule (Sicam-1). |
| 3. | Visual Analogue Scale (VAS) | - Pain intensity was measured using VAS by asking patient’s pain level before and after treatment. |
| 4. | Rolland-Morris Disability questionnaire | - Functional disability was measured using Rolland-Morris Disability questionnaire. |