|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SUTURE MATERIAL** | | | | |
| **Material** | **Uses** | **Absorbable or**  **Non-Absorbable** | **Absorption time** | **Contraindications** |
| **Polypropylene** | For infected tissue, soft tissue approximation and/or ligation, including Cardiovascular, Ophthalmic and Neurosurgical procedures | Non-Absorbable | 90 days but can remain encapsuled in tissues | N/A |
| **Virgin Silk** | Used for soft tissue approximation and/or ligation, including Cardiovascular, Ophthalmic and Neurosurgical procedures | Non-Absorbable | 100 days | Patient with allergies to Silk |
| **Nylon or Ethilon (Polyamide 6)** | Used for general skin closure, retention, Opthalmology and microsurgeries. | Non -Absorbable | Remains encapsulated in tissues | Used for microsurgery and surgery which requires delicate stitching |
| **Vicryl (Polyglactin 910)** | For infected tissue | Absorbable | 56 to 70 days | N/A |
| **Catgut** | Ligation of superficial vessels and closure of tissue that heal rapidly | Absorbable | 60 days | Not recommended for an incision that requires sustaining of tissues for a prolonged period of time |
| **Polydioxonone (PDS)** | Cardiovascular and Ophthalmic surgery | Absorbable | 180 days | Not to be used for prolonged approximation of tissues under stress |
| **Dexon (Polyglycolic acid)** | Ophthalmic, Cardiovascular and Neural tissue surgery | Absorbable | 56 to 70 days | Patients may be allergic to it |