## Total Knee Arthroplasty protocol

| Pre-Op | **Pre-emptive Analgesia:**  
| Celebrex 200 mg PO.  
| Lyrica 75 mg PO.  
| Acetaminophen 1 gm IV.  
| Adductor canal nerve block/FNB.  
| **Infection prophylaxis:**  
| **Cefazolin** 30 minutes before incision  
| 1 gm IV for Patients < 80 kg  
| 2 gm IV for patients > 80 kg.  
| If Penicillin allergy use **Vancomycin** 1 gm IV infusion within an hour. |

| Intra-op/Anesthesia | **Anesthesia plan**  
| Spinal Anesthesia with 0.75% Bupivacaine first choice, follow ASRA guideline for exclusion of spinal Anesthesia.  
| Alternatively, General Anesthesia with no ND paralytic agent.  
| **Prevention of blood loss:**  
| Tranexamic Acid 10mg/kg IV before incision. *(1st dose)*  
| Tranexamic Acid 10mg/kg IV after tourniquet release. *(2nd Dose)*  
| *(Look for exclusion group for TXA)*  
| **Maintain normothermia** with forced Air or Fluid warmer.  
| Propofol sedation if Spinal anesthesia planned.  
| **Fluid Management:**  
| Combination of colloid and crystalloids. |

| Postop | **Post-operative Pain management as per Acute Pain service care plan.** |