

## Patient Information

- **Name:** John Doe
- **Age:** 45 years
- **Gender:** Male
- **Patient ID:** P123456
- **Date of Report:** 06 November 2025

## Clinical History

- **Chief Complaint:** Persistent abdominal pain for the past 10 days.
- **Past Medical History:** Hypertension (diagnosed 2018), Type 2 Diabetes Mellitus (diagnosed 2020).
- **Medications:** Metformin 500 mg twice daily, Amlodipine 5 mg once daily.
- **Allergies:** Penicillin (rash).
- **Family/Social History:** Father with history of coronary artery disease. Non-smoker, occasional alcohol use.

## Examination Findings

- **General Appearance:** Alert, oriented, mild discomfort noted.
- **Vital Signs:**
  - Temperature: 37.8 °C
  - Blood Pressure: 140/90 mmHg
  - Heart Rate: 92 bpm
  - Respiratory Rate: 18 breaths/min
- **Systemic Examination:**
  - Cardiovascular: Normal heart sounds, no murmurs.
  - Respiratory: Clear lung fields bilaterally.
  - Abdominal: Soft, tenderness in right lower quadrant, no guarding.
  - Neurological: No focal deficits, reflexes intact.

## Investigations

- **Laboratory Tests:**

- CBC: WBC 12,000/ $\mu$ L (mild leukocytosis), Hb 13.5 g/dL, Platelets 250,000/ $\mu$ L.
- Blood Sugar: Fasting 145 mg/dL.
- Renal Function: Creatinine 1.0 mg/dL, Urea 28 mg/dL.
- **Imaging:**
  - Ultrasound Abdomen: Enlarged appendix with peri-appendiceal fluid.
  - Chest X-ray: Normal.

## Diagnosis

- **Primary Diagnosis:** Acute Appendicitis.
- **Differential Diagnosis:** Gastroenteritis, Right-sided colonic diverticulitis.

## Treatment Plan

- **Medications:** IV fluids, analgesics, antibiotics (Ceftriaxone).
- **Procedures:** Emergency appendectomy scheduled.
- **Lifestyle Advice:** Post-operative dietary modifications, gradual resumption of physical activity.
- **Follow-up:** Review after 7 days for wound inspection and suture removal.

## Doctor's Signature

- **Name:** Dr. Sarah Thompson
- **Designation:** Consultant General Surgeon
- **Date & Time:** 06 November 2025, 11:00 AM