

# PRE-SURGERY TESTS AND INVESTIGATIONS FOR ENT SURGERY

Before going for an “elective” or planned procedure you need to get these tests done-

## FOR PAEDIATRIC PATIENTS (UP TO 16 YEARS OF AGE)

### INVESTIGATION

- Complete blood count
- PT/INR, Bleeding, and clotting time
- Nasal secretions for culture or (cerebrospinal fluid) analysis (in case of suspected fungal disease or CSF leak)
- X-ray nasopharynx (in case of adenoid surgery)
- X-ray mastoid or HRCT temporal bone (in case of ear surgery)
- X-ray PNS or HRCT nose and PNS (in case of nose surgery)
- ECG Or X-RAY CHEST (your pediatrician might ask these tests if required for pre-surgery clearance)
- CT CISTERNOGRAPHY (in case of CSF leak)

### TEST

- Nasal Endoscopy
- Otoscopy (ear endoscopy)
- Pure tone audiometry (for ear surgery)
- Impedance audiometry
- OAE and BERA (for cochlear implant surgery)
- Impedance tympanometry (for ear surgery)
- Fiber-optic laryngoscopy (for larynx/ vocal cord surgery)
- FNAC (fine needle aspiration cytology) – for lymph node, gland, or tumor-like swellings

**FOR ADULT PATIENTS (17 TO 40 YEARS OF AGE)**

-

**INVESTIGATION**

- Complete blood counts
- Random blood sugar
- Kidney function test
- PT/INR
- Viral serology- HIV, HCV, ANTI HBs
- ECG
- XRAY CHEST
- URINE ROUTINE AND MICROSCOPY

## Zorghealth.com

- Nasal secretions for culture or (cerebrospinal fluid) analysis (in case of suspected fungal disease or CSF leak)
- X-ray mastoid or HRCT temporal bone (in case of ear surgery)
- X-ray PNS or HRCT nose and PNS (in case of nose surgery)
- MRI related to Ear, Nose Throat region
- CT CISTERNOGRAPHY (in case of CSF leak)

### TEST

- Nasal Endoscopy
- Otoscopy (ear endoscopy)
- Pure tone audiometry (for ear surgery)
- Impedance tympanometry (for ear surgery)
- OAE and BERA (for cochlear implant surgery)
- Fiber-optic laryngoscopy (for larynx/ vocal cord surgery)
- Sleep endoscopy (if surgery is for sleep apnea)
- Polysomnography (PSG) or sleep study (if surgery is for [sleep apnea](#))

### FOR ADULTS MORE THAN 40 YEARS OF AGE

### INVESTIGATION

- Complete blood counts

- Random blood sugar
- Kidney function test
- Liver function test
- PT/INR
- Viral serology- HIV, HCV, ANTI HBs
- ECGG, 2D ECHO
- XRAY CHEST
- URINE ROUTINE AND MICROSCOPY
- X-ray mastoid or HRCT temporal bone (in case of ear surgery)
- X-ray PNS or HRCT nose and PNS (in case of nose surgery)
- USG ABDOMEN (In case of bladder related complaints to rule out prostate hypertrophy)
- Pulmonary function tests (in case you are already suffering from a lung disease like COPD)
- Nasal secretions for culture or (cerebrospinal fluid) analysis (in case of suspected fungal disease or CSF leak)
- CT CISTERNOGRAPHY (in case of CSF leak)

### TEST

- Nasal Endoscopy
- Otoscopy (ear endoscopy)
- Pure tone audiometry (for ear surgery)
- Impedance tympanometry (for ear surgery)
- Fiber-optic laryngoscopy (for larynx/ vocal cord surgery)

## Zorghealth.com

- Sleep endoscopy (if surgery is for sleep apnea)
- Polysomnography (PSG) or sleep study (if surgery is for sleep apnea)

### OTHER SPECIAL TESTS