



ESA Astronaut Applicant Medical Examination List

The following is a list of required medical examinations that must be performed on a European Astronaut Applicant by a physician (e.g. general practitioner).

These medical examinations are equivalent to the JAR-FCL 3 Class 2 medical examinations.

ESA Medical Examinations and Parameters:

1. Interview/Questionnaire evaluation of family history, personal history and medical history
2. General physical examination, including
 - a. all major organ systems, including skin
 - b. mobility of extremities, joints and spine
 - c. routine ears-nose-throat examination
 - i. Hearing Analysis
applicant must be able to understand correctly ordinary conversational speech at a distance of 2 meters from and with his back turned towards the examiner
 - d. basic neurology assessment
 - e. genito-urinary evaluation
 - f. for females: gynaecologic evaluation
 - g. resting heart rate and blood-pressure
3. Standard 12-lead Resting ECG
4. Blood analysis for Hemoglobin (Hb), Lipids and Cholesterol
5. Urine stick analysis, including Glucose, Leucocytes, Erythrocytes, Protein
6. Ophthalmologic Analysis (can also be performed by ophthalmologist or vision care specialist, e.g. optometrist)
 - a. vision in both eyes
 - b. distant Visual acuity with or without correction of 0.5 (6/12) or better in each eye separately and with both eyes 1.0 (6/6) or better
 - i. Refractive error shall not exceed +5 to -8 diopters
 - ii. Astigmatism shall not exceed 3 diopters
 - c. normal color perception (Ishihara or Nagel's anomaloscope)