



BTL 8 SMART

BTL 8 PRO

BTL 8 ELITE

USER'S MANUAL

6.1.5.3 MULTI-SELECT VIEW OF EXAMINATIONS

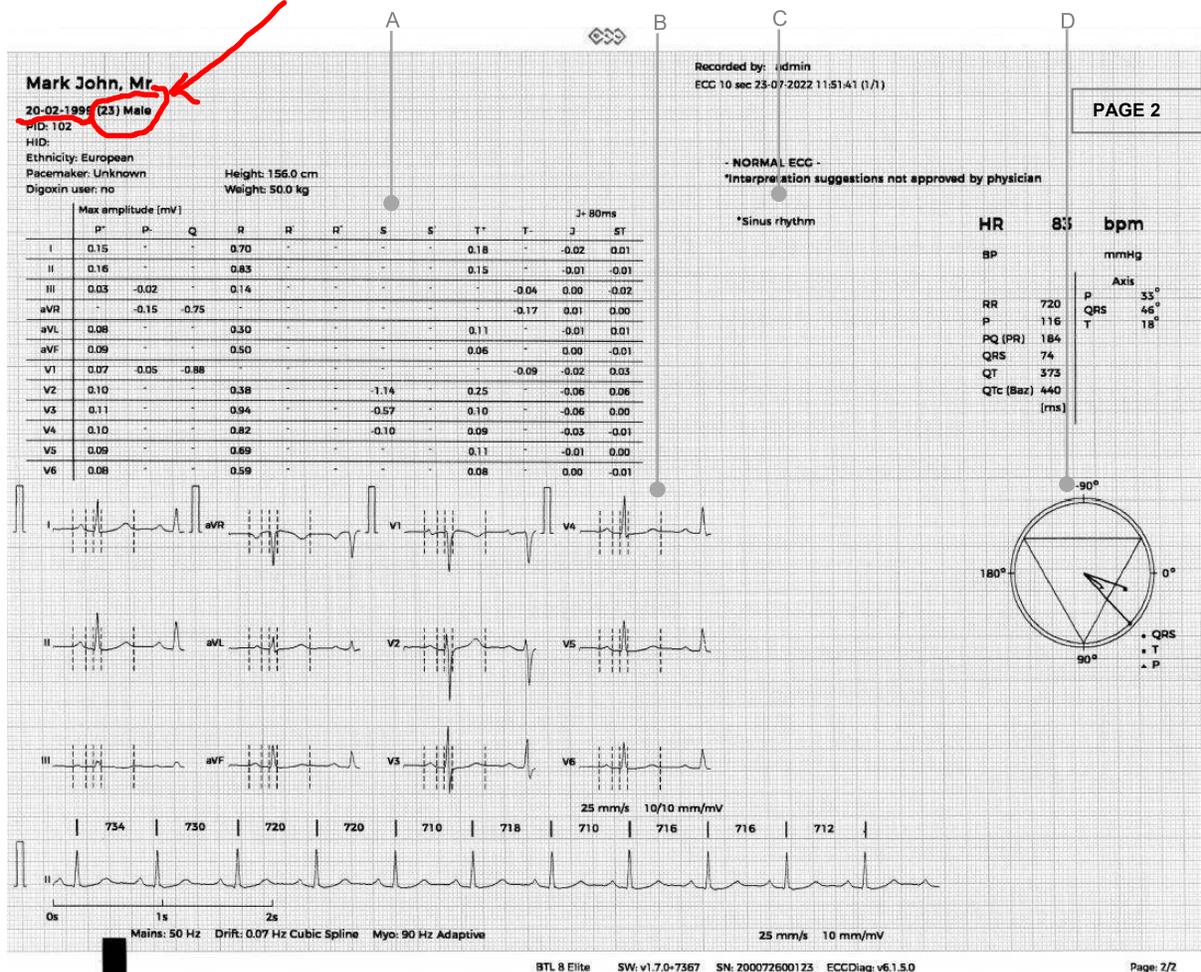
Press & hold the examination list to multi select several examinations at once.

The screenshot shows a patient profile form and a list of examinations. The patient profile includes fields for Surname (Mark), Name (John), Title (Mr), Date of birth (05/05/1995), Age (27), Patient ID (PID001), Hospital ID, Sex (Male), Ethnicity (European), Weight (76 kg), Height (180 cm), Pacemaker (Yes/No), and Digoxin user (Yes/No). The examination list has columns for Examination, Status, Export status, and Time. The list contains four entries: Rhythm (Recorded, ✓, 12:51:49 08-08-2022), ECG (Recorded, ✓, 12:51:17 08-08-2022), Rhythm (Recorded, ⌚, 12:48:54 08-08-2022), and ECG (Recorded, ✗, 12:46:16 08-08-2022). A legend on the right side of the screen lists actions A through E: Print, Export PDF, Export, Change patient, and Delete. A legend below the list explains the export status icons: ⌚ (Export in progress), ✓ (Examination sent), ✓✓ (Examination received), and ✗ (Export failed).

- A. Print: Print Examination
- B. Export PDF: Exports reports in PDF format to pen drive.
- C. Export: Export reports to compactible software application.
- D. Change Patient: Allows to assign examinations to different patient.
- E. Deletes examinations: Deletes the selected examinations.
- F. Export status: shows the export status for the examination to compactible software application.
 - ⌚ : Export is in progress.
 - ✓ : Examination is sent.
 - ✓✓ : Examination is received by the accepting compatible software application.
 - ✗ : Export has failed.



Auto profile report sample: Page 2



- A. Measurements table: detailed measurements for each ECG lead.
- B. Average beats: average beat for each ECG lead.
- C. Summary box: placeholder for the interpretational statements suggestion and for the medical findings. If the doctor types a summary (medical findings) in the device, it will show itself here on the report.
- D. Heart axis: graphic representation of the heart axis (QRS, T, P).

Note: The second page of the report is optional. This setting is available under, Menu->Setting->Profiles->Report Setup->Print diagnostic page



If the caution symbol is printed in the Patient information section on the ECG report, it means that patient age or gender was not entered and the device assumes patient as 50 years old male and shows the analysis.



7.6 RELIABILITY OF ECG MEASUREMENTS AND INTERPRETATION SUGGESTIONS.

Parameters, that are analysed based on an averaged heart cycle, are considered correct if the relevant record is not distorted too much by the mains noise, artefacts of myopotentials, or by other noises. Another factor for reliability is that the unit correctly recognizes the key points of the P-QRS-T complex. The accuracy of parameters may be also affected by inclusion of aberrant cycles to the averaged cycle in case that the unit incorrectly classifies them as typical for the given record. The unit attempts to determine the parameters of every record automatically; therefore it is necessary to ensure that at least three cycles typical for the record analysis are correctly averaged and that the number of aberrant cycles does not exceed the number of non-aberrant ones.

The isoelectric parts of the ECG signal at the beginning and the end of the QRS complex (I-wave and K-wave) are included in the respective wave durations.

ECG Interpretation of rhythms is evaluated by Artificial Intelligence model. The model is using ECG measurements - QRS width, relief map of each lead, P wave axis angle, Poincare values.



ECG measurements and Interpretation suggestions are meant to be only a suggestion and should be always checked and modified by a physician. Under no circumstances shall manufacturer or distributor be liable to any user of this product on account of wrongly suggested diagnosis and interpretation by the ECG device!

