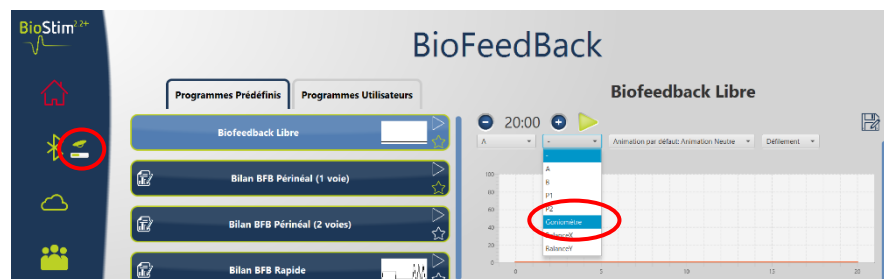# Biostim Version 1.24

BioMoov

BioMoov now has a new mode for working in goniometry. By attaching the BioMoov to a limb, this mode enables the patient's work to be monitored. For example, the BioMoov can be attached to the thigh to monitor squats.

BioMoovs now come with a strap for easy attachment to a limb. Make sure you put the BioMoov in the strap pocket, leaving the side with the ON/OFF button visible.

By combining visualization of the perineal pathway with a goniometric pathway, we can ensure that the movements and contractions of the perineum are correctly synchronized.

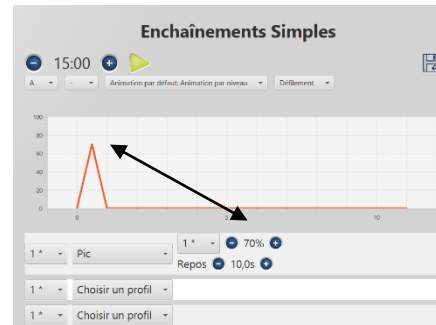Once the BioMoov is connected to the Biostim, a new Goniometer channel is available

Biofeedback page

- In pause mode (or in review mode), it is possible to add vertical markers to measure times (e.g. contraction rise time). A first click places the reference, then a marker follows the mouse, indicating the time relative to the reference.
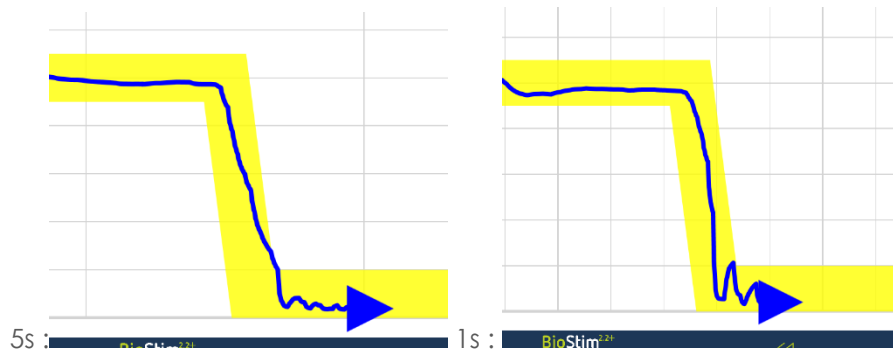

- The contraction level indicated in BFB can now be calculated from patient zero (base tone) instead of Biostim zero. This option can be found in the configuration page, Programmes tab.
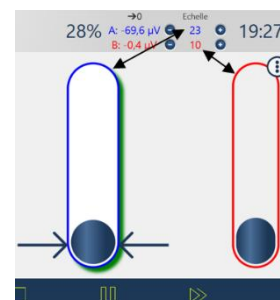
- In simple sequences, it is possible to set the height of the peaks

- In the grid backgrounds, you can choose to display a graduation every second or every 5 seconds (To be configured in the Animation tab of the configuration page).
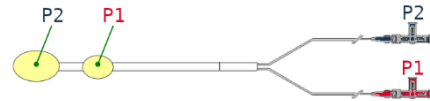

5s :   1s :

- The objects displayed by mouse click (or those displayed in random mode) are those in the animation if there are objects in the animation. Otherwise, the stars remain as before.

- For easier understanding in the level animation, the outline of each track uses the colour chosen for the track.
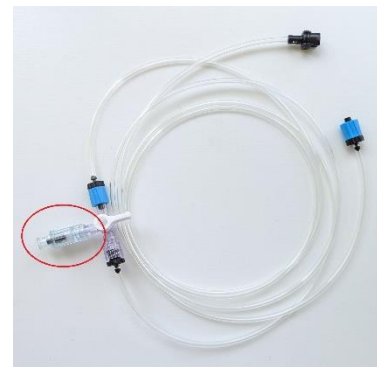
Modifications for Anorectal

- In order to avoid certain inconsistencies, it is now recommended to connect the small balloon to channel P1 and the large balloon to channel P2: the graphical rendering remains unchanged.

- To simplify handling, pressure kits are now supplied with an automatic Luer valve. It opens as soon as a syringe is connected, and closes as soon as it is disconnected.
  In this way, it is no longer necessary to manipulate the 3-way valve during a session, either to maintain pressure or to refill the syringe.

- In the configuration page (programme tab), you can choose the channel you wish to use for the sphincter BFB:
    - P1 for work with a double balloon probe
    - A for work with external electrodes and a single balloon rectal probe

- There is no longer a calibration for the second pressure channel. This is because the second line is a rectal line, which is a monitoring or external stimulation line and less of a labour line.

- Lower threshold for working slow fibres (30% of maximum contraction instead of 50%)

Statistics

More statistics are calculated during assessments and sessions.

Reports

- During the fast fibre test, the time taken to reach contraction and the time taken to achieve complete relaxation are measured.
- Reflexes and locking under stress now have a score between 0 and 5 (instead of yes/no), to give a clearer picture of the patient's progress.

All this information can be found in the patient record, by displaying the details of one (or more) check-ups.
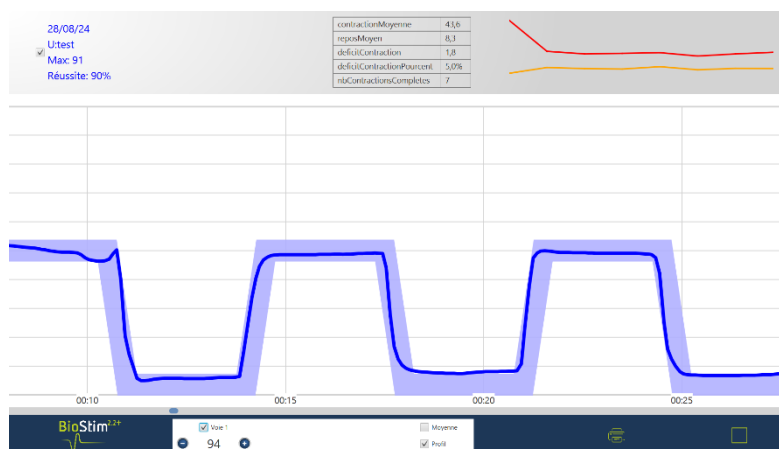

Sessions

During the sessions, new data are calculated:

- Average level during contraction phases
- Average level during rest phases
- Average deficit in relation to the profile during contraction phases
- Average deficit as a percentage
- Number of complete contractions: counts the number of contractions for which the patient has maintained the contraction at the required level for the entire duration.
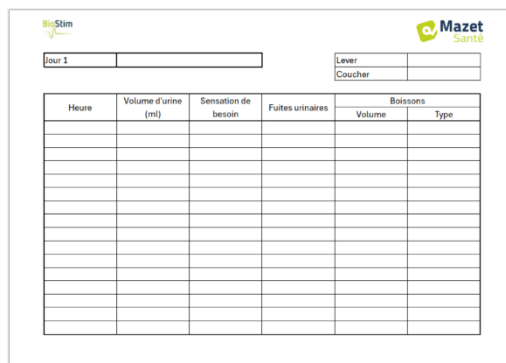
All this data is displayed when you view the details of a session from the patient file. The trend curve is also displayed, showing on a compact graph how the maximum contraction and the average have evolved over the session.
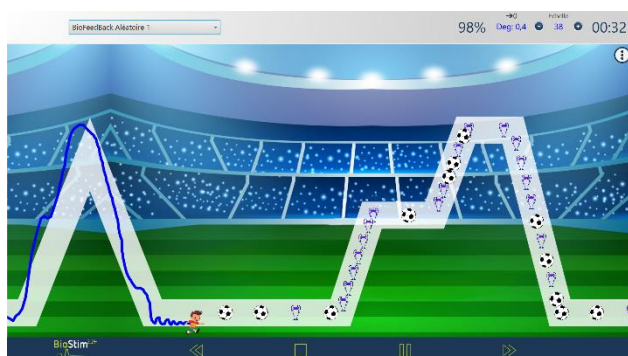
Forms update

The forms have been modified:

- Adding a voiding calendar
- Minor adjustments to other forms

Animations

New football animation

Miscellaneous and bug fixes

- Addition of patient consent when creating patients, to indicate that anonymous data may be collected to improve the product.
- In pause mode, the comment box hid the success percentage
- In some cases, saving an empty program could prevent the software from being launched.