

PeriGen Inc.

PeriCALM[®] Patterns[™] Release Notes
Version 1.16



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Reader comments

Comments or suggestions regarding this publication are welcome and should be sent to Technical Operations at the aforementioned address.

Trademarks

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PeriCALM Patterns is intended for use as an adjunct to qualified clinical decision-making during antepartum or intrapartum obstetrical monitoring at ≥ 36 weeks gestation to obtain annotation of the FHR for baseline, accelerations and decelerations.

WARNING: Evaluation of FHR during labor and patient management decisions should not be based solely on **PeriCALM Patterns** annotations.

Various aspects of the PeriCALM software suite are subject to issued and pending patents in several jurisdictions. Issued patents include:

USA	6,907,284
USA	7,113,819
USA	6,423,016
European Patent	1,505,903
European Patent	1,289,416
Canada	2,311,029

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1. Overview

PeriCALM Patterns is an application that assists in the timely identification and display of fetal heart rate patterns that are associated with an increased risk of birth-related injury. From data collected through a fetal monitor, **PeriCALM Patterns** detects and analyzes fetal heart rate accelerations, late, early, variable and prolonged decelerations, as well as uterine contractions, and displays these as colored markings. **PeriCALM Patterns** can zoom out the tracing view to up to 12 hours in order to reveal trends in heart rate patterns and contractions. Furthermore, **PeriCALM Patterns** can calculate baseline, baseline variability, Montevideo units and contraction interval means in a sliding window, as well as warn against persistence in uterine tachysystole, as defined by the institution.

Key Benefits

- Represents heart rate events and uterine contractions in a visually intuitive manner
- Calculates several important clinical metrics in real-time
- Displays 17-minute, 2 hour and 12 hour view of tracings
- Brings standard definitions such as NICHD guidelines to the bedside
- Displays the institution's definition of uterine tachysystole in a graphical and numerical manner
- Improves communication
- Provides constant educational reinforcement to minimize the impact of inexperience
- Adds the convenience of automatic data input for your confirmation



PeriCALM Patterns is indicated for use by or under the direction of qualified clinicians for obstetrical care when annotations of the fetal heart rate signal for baseline, accelerations, decelerations and variability are desired. Because of the documented variability inherent in the identification of fetal heart rate features, the computer-generated annotations should not be the only source of information on which to base clinical decisions. Standard clinical practice requires consideration of all pertinent information, including, but not limited to, tracing review, ancillary tests, and consultation when appropriate.

2. What's New in Version 1.16?

2.1. Compatibility

PeriCALM Patterns™ 1.16 adds compatibility with **PeriCALM Tracings™** Version 3.16

3. Fixes in Version 1.16

3.1. Archiving on a 64bit Operating System

The **PeriCALM Patterns** archiving utility is not compatible with 64bit operating systems.

3.2. Generic Icon Displayed on Citrix

When launching **PeriCALM Patterns** on a Citrix environment, a generic icon is shown in the task bar instead of the **PeriCALM Patterns** icon.

4. Limitations

As in any software applications, there are certain limitations that need to be respected while using **PeriCALM Patterns**. The following provides the details and workarounds of these limitations.

Connecting from remote computer (725)

In the event that you connect to a remote computer that is running PeriCALM Patterns, Patterns will show in a blue color. You can close Patterns and open Patterns again to bring it back to normal coloration.

No support of dual screen workstation setups (590)

PeriCALM Patterns cannot be used with a dual monitor workstation setup. PeriCALM Patterns only supports a single monitor workstation setup.

When selecting a patient from the patient list, the slider window may move off to the right (856)

Sometimes when selecting a patient via the Patient List, the slider window may slowly disappear off the right side of the screen. To resolve, you can click with your mouse anywhere on the tracing and it will then reset the slider window position.

Montevideo units calculation precision (973)

Because of slight differences in tracing and slider window positioning on separate workstations, Montevideo values may be slightly different on different workstations. The variability is considered clinically insignificant.

Pop-up windows remain open after auto log off occurs (991)

If a pop-up window was left open (for example, the “Admit Patient Screen”) and an auto log off occurs, the window will not be closed. Simply close the window and log in again.

When using PeriCALM Patterns via a remote connection, the keyboard shortcuts do not scroll the tracing (1007)

Keyboard shortcuts used to scroll the tracing may not work when accessing PeriCALM Patterns via a remote connection. Please use the alternative methods of moving the tracings, namely, the slider window or direct dragging of the tracing views.