PAIN MANAGEMENT FOR LABOR ANALGESIA

THE CHALLENGE
To provide adequate pain relief for childbirth labor and delivery without partial or motor blocks.

INEFFECTIVE PAIN MANAGEMENT

Partial Blocks – Anesthesia delivery is not effective at stopping pain.

Motor Blocks - Anesthesia goes beyond the target and interferes with needed patient movement, respiration and function.

Clinical Intervention – Inefficient anesthesia delivery causes patient discomfort, often requiring clinician boluses.

THE SOLUTION

The CADD® Solis System with PIB and continuous infusion.

THE CADD® SOLIS SYSTEM WITH PIB
Schedules a bolus interval that can be customized to the patient’s needs. Allows flexible program options for combined PCEA/PCA, PIB and continuous infusion.

CADD®-Solis Pain Management System with Programmed Intermittent Bolus (PIB) Specifications

Intermittent Bolus

- The amount of drug from the start of each intermittent bolus is determined by the clinician’s programmed intermittent bolus.
- The amount of time from the start of one intermittent bolus to the start of the next intermittent bolus is determined by the clinician’s programmed intermittent bolus.
- The amount of time when the pump is on is determined by the clinician’s bolus lockout.

Pharmacology

- The drug amount and duration are determined by the clinician’s programmed intermittent bolus.
- The bolus to the start of the next intermittent bolus is determined by the clinician’s programmed intermittent bolus.

Motor Blocks

- Anesthesia goes beyond the target and interferes with needed patient movement, respiration and function.

Clinical Intervention

- Inefficient anesthesia delivery causes patient discomfort, often requiring clinician boluses.

Battery Life

- Alkaline Batteries: Approximately 113 hours at 10 mL/hr
- NiMH: 12+ hours at 10 mL/hr
- Lithium: 20+ hours at 10 mL/hr

PRODUCT(S) DESCRIBED MAY NOT BE LICENSED OR AVAILABLE FOR SALE IN CANADA AND OTHER COUNTRIES

REFERENCES


INTERMITTENT PROGRAMMED
• Less medication = faster recovery and higher
• Better distribution results in less drug consumption
• Bolus pressure provides more efficient drug distribution and provides better coverage and less drug consumption
Clinicians can program an intermittent bolus schedule that

TRADITIONAL PAIN MANAGEMENT
Labor analgesia has been delivered by several methods:
• Single, manual injections – immediate pain relief but not consistent and short-lived
• Continuous infusions – delivers medication continuously and provides a more steady state of pain relief
• Patient Controlled Analgesia (PCA) – immediately pain relieved but overall pain management was still hard to control

INTERMITTENT BOLUS (PIB) DELIVERY
More effective pain management with better pain control
• Pain relief – motor blocks or longer recovery time
• Patient-controlled dosing – user-defined bolus delivery

CLINICAL RESEARCH AND PRACTICE HAS SHOWN THAT BOLUS VOLUME AND DELIVERY RATE CAN INCREASE THE SPEED OF FLUID IN THE EPIDURAL SPACE COMPARED TO A CONTINUOUS INFUSION.

FOR LABOR ANALGESIA
AN INNOVATIVE TECHNIQUE

AN INNOVATIVE SOLUTION FOR SATISFACTION AND SAFETY

LAGOR ANALGESIA AND THE CADD®-SOLIS AMBULATORY PAIN MANAGEMENT SYSTEM

CADD®-SOLIS INFUSION SYSTEM
The CADD®-Solis system combines PCA/PIB and PIB deliveries with best practice protocols and programming limits for better pain management.

Intermittent boluses allow clinicians to tailor drug delivery

SAFE, SIMPLE, SECURE
The CADD®-Solis System combines PCA/PIB and PIB deliveries with best practice protocols and programming limits for better pain management.

STOPPING THE PUMP
Tailor patient and procedure-specific protocols with intermittent bolus volumes and duration with the patient-controlled dosing protocol.

ADVANCED PROGRAMMING SIMPLICITY TO TAILOR, TITRATE AND TRACK THERAPY
The versatile, adaptable system provides effective pain management solutions for labor and delivery and adult and pediatric pain management patients.

• Tailor patient’s pain relief without motor blocks, higher patient satisfaction and faster recovery time

More effective pain management with better pain control
• Delivery pressure provides more efficient drug distribution and more effective pain relief
• Better distribution results in less drug consumption
• Less medication = faster recovery and higher patient satisfaction

ORDER INFORMATION

CADD®-Solis Ambulatory Infusion System

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<tr>
<td>21-2171-0050-01</td>
<td>CADD®-Solis Ambulatory Infusion Pump – Start Kit</td>
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<td>21-2171-0050-01</td>
<td>CADD®-Solis Pump – Yellow keypad</td>
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THE SYSTEM IS DESIGNED TO ADVANCE YOUR PROGRAM TODAY AND IN THE FUTURE BY SATISFYING CURRENT AND EMERGING CLINICAL AND TECHNICAL NEEDS.

ADVANCED PROGRAMMING SIMPLICITY TO TAILOR, TITRATE AND TRACK THERAPY

TAILOR
• Tailor patient and procedure-specific protocols with intermittent bolus volumes and duration with the patient-controlled dosing protocol.
• Tailor distribution of the drug with the intermittent bolus volumes and bolus delivery rate.
• Tailor drug delivery duration with the intermittent bolus interval.

TITRATE
• Titrate dosing without stopping the pump.
• Titrate dosing within user-defined programming limits.

TRACK
• Track therapy progress with trend and log reports that are easy-to-access and interpret.

A VALUABLE INVESTMENT, A SMART CHOICE
The system is designed to advance your program today and in the future by satisfying current and emerging clinical and technical needs.

A VALUABLE INVESTMENT, A SMART CHOICE

MORE EFFECTIVE PAIN MANAGEMENT WITH PROGRAMMED INTERMITTENT BOLUS DELIVERY
PIB delivery is designed to effectively block pain with motor blocks or longer recovery time.

Bolus pressure provides more efficient drug distribution and provides a better steady state of pain relief compared to a continuous infusion.

CADD®-Solus System Accessories

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<td>LinkeLink Pediatric Bracket</td>
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<td>21-2186-05</td>
<td>CADD®-Solis Catheter Replacement Pump Kit</td>
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<td>21-2186-05</td>
<td>AC Adapter (10-30V)</td>
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<td>21-2186-05</td>
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<tr>
<td>21-2186-05</td>
<td>Rechargeable Battery</td>
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A VALUABLE INVESTMENT, A SMART CHOICE

THE CADD®-Solis Pump Management System can be used in neonatal, pediatric and adult pain management patients.

Effective pain management is pain relief without motor blocks, higher patient satisfaction and faster recovery time.

The system is designed to advance your program today and in the future by satisfying current and emerging clinical and technical needs.