

# PICRINO

Can the use of a next generation Partograph based on WHO's latest Intrapartum Care Recommendations Improve Neonatal Outcomes?

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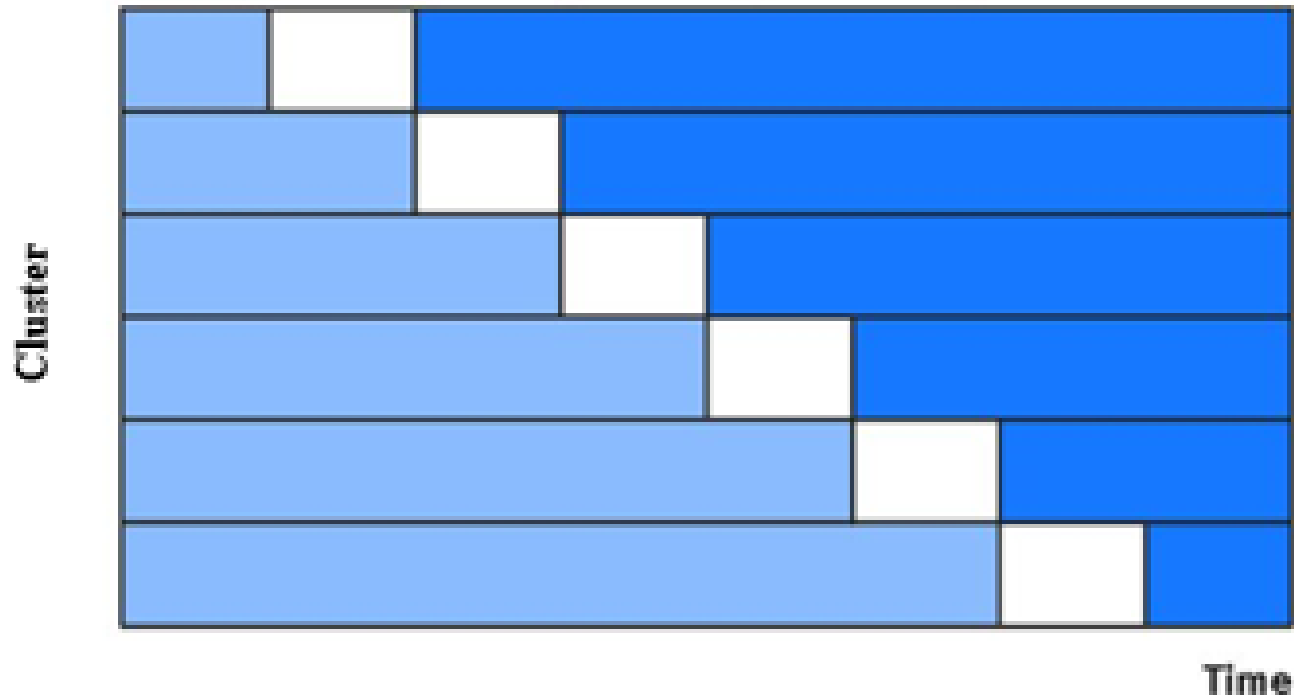


- **Population:** Women in active labor at participating delivery units in Sweden between 2023 through 2025.
- **Intervention:** Use of the LCG in women in active labor
- **Control:** Use of standard care
- **Outcomes:**
  - *Primary:* 1)adverse neonatal outcomes and 2)the rate of intrapartum cesarean section
  - *Secondary:* perinatal interventions and complications, economic considerations, women and partner experiences of childbirth and obstetric staff experiences

# Study design: a stepped-wedge cluster randomized trial



(d) Stepped wedge study including transition period



- | LABOUR CARE GUIDE - SE |                             |                      |   |              |   |                     |   |   |   |   |                 |    |    |    |
|------------------------|-----------------------------|----------------------|---|--------------|---|---------------------|---|---|---|---|-----------------|----|----|----|
| Person-uppgifter       |                             | Tid                  |   | Paritet      |   | Förlösningens start |   |   |   |   | Aktiv fas Datum |    |    |    |
| Vattensvänging Datum   |                             |                      |   | Riskfaktorer |   |                     |   |   |   |   |                 |    |    |    |
|                        | Tid<br>Timmar               | 1                    | 2 | 3            | 4 | 5                   | 6 | 7 | 8 | 9 | 10              | 11 | 12 | 13 |
| STÖDANDE VÅRD          | Närvaro                     | N                    |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | Smärtledning                |                      |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | Smärtmedel                  | N                    |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | Vårskontag                  | N                    |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | Kroppstillställning         | RL                   |   |              |   |                     |   |   |   |   |                 |    |    |    |
| FÖRÄNDRINGAR           | Puls                        | <60,<br>≥120         |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | Blodtryck                   | <90 mmHg,<br>≥140/90 |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | Temp °C                     | <35,5,<br>≥37,5      |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | Urin                        | N i ≥4h              |   |              |   |                     |   |   |   |   |                 |    |    |    |
| FOSTER                 | Basalthävens                | <150,<br>≥160        |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | Deceleration                | S                    |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | CTG                         | A, P                 |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | Fosterpositionen            | M+++, B              |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | Sjukst.                     | +++                  |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | Värkar/10min                | ≤2, >5               |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | Värkförvaring               | <20, >40 s           |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | Yttre palpation             | SA                   |   |              |   |                     |   |   |   |   |                 |    |    |    |
| Station                | (open<br>high)              | 5                    |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | (0-3cm)                     | 4                    |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | (open<br>spine)             | 3                    |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | (mid<br>station)            | 2                    |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | (medium<br>spine)           | 1                    |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | (back-to-<br>bottom)        | 0                    |   |              |   |                     |   |   |   |   |                 |    |    |    |
| Tiden i station        | Retr                        |                      |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | 9-10                        | ≥ 2h                 |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | 8                           | ≥ 2.5h               |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | 7                           | ≥ 3h                 |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | 6                           | ≥ 5h                 |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | 5                           | ≥ 6h                 |   |              |   |                     |   |   |   |   |                 |    |    |    |
| LÄKEMEDEL              | Oxytocin (mJ/h)             |                      |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | Läkemedel                   |                      |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | UTVÄRDERING/<br>BESCHÖRNING |                      |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | ÅTGÄRDSPLAN                 |                      |   |              |   |                     |   |   |   |   |                 |    |    |    |
|                        | SGRADERING                  |                      |   |              |   |                     |   |   |   |   |                 |    |    |    |

I aktiv fas, markera "X" för när moderatorerna öppningsgrad är 3 cm eller mer och OBS vid samma öppningsgrad är en annan term i uppnåddastadiet i kolonnen utan progress.  
I utdrivningsfas, markera "X" för aktiv tryckning skett.

Instruktioner: Ringa in de observationer som motsvarar kriterier i uppnåddastadikolumnen, dokumentera samtid bedömning och åtgärd. Om förlösningen varar längre än 12h, var god fortsätt på ny LG-SE.

Förkortningar: J – Ja, N – Nej, U – Undantaget, RL – Rugglapp, Mo – Mödler, Me – Medor, No – Normal, A – Avvikande, P – Patologiskt, I – Intakt, K – Klar, M – Moderat, B – Blod.

# Steering committee -PICRINO



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# Time plan



## **Autumn-22**

- Test LCG-SE
- Develop educational package
- Final invitation to participate
- Preparations related to research

## **2023**

Enrolment of first study site

We do hope that you will  
participate in PICRINO

