

Parenteral nutrition process (from medical prescription to nurse administration) without (re) transcription



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Introduction :

The neonatal intensive care unit of our hospital takes care of extremely premature infants (< 1000 g). These small patients require the use of parenteral nutrition for several weeks for growth and development. Our pharmacy department has prepared the parenteral nutrition admixture preparation since 2017. We have gradually improved the process from prescription to administration according to IGAS recommendations (2015) which recommends an integrated system for all steps from prescription to administration (including automated compounding). They also recommend an integrated prescription software for medication and nutrition.

Materials and method :

We have gradually purchased the following support systems:

2017: **Bp'prep (Alma): bp'prep**
compounding pharmacy software

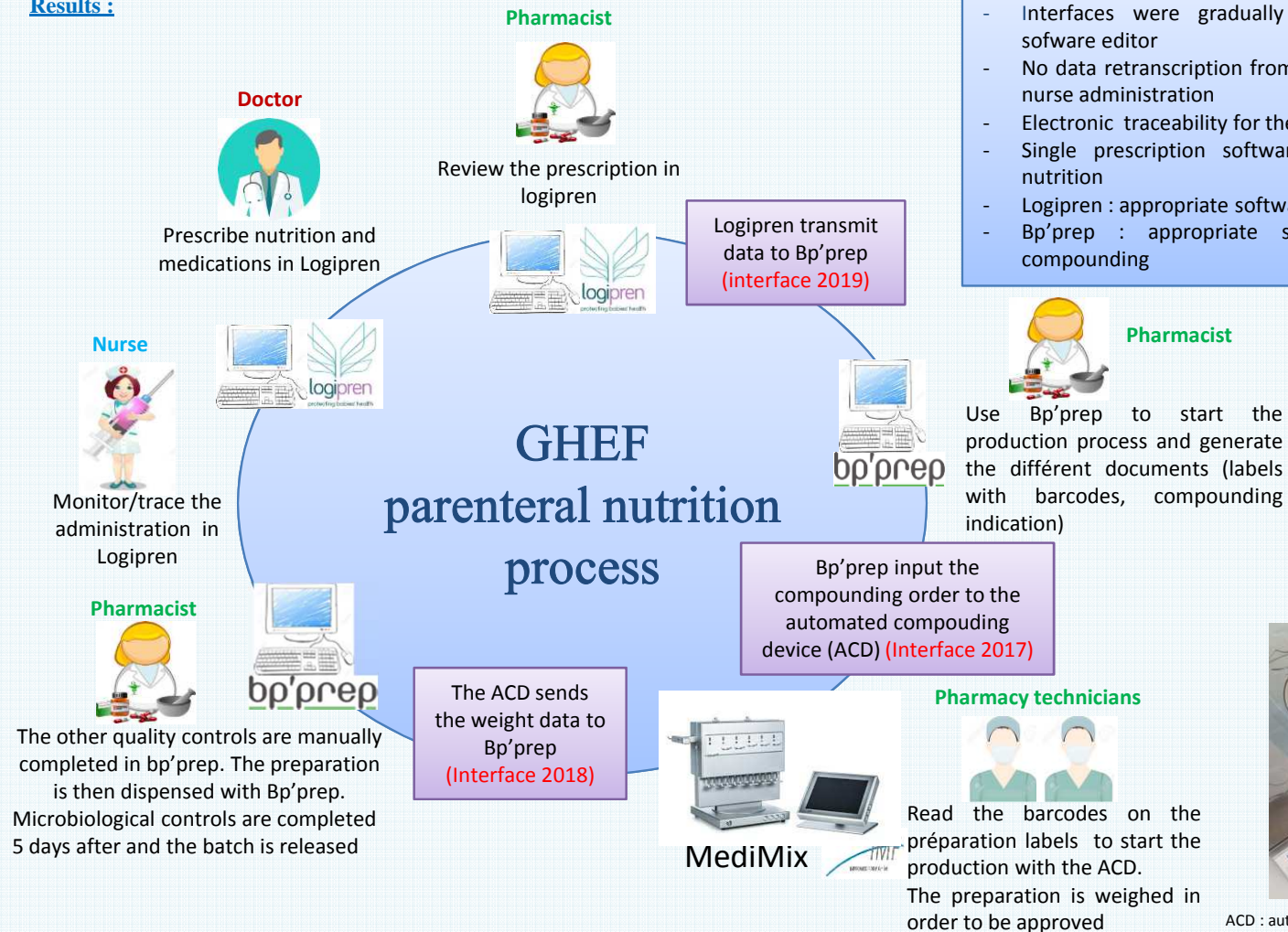
End of 2017: **Medimix (IMF):**
automated compounding device



2018: **Logipren V2:**
neonatal prescription software
(for medication and nutrition)



Results :



Discussion :

- Interfaces were gradually developed with the software editor
- No data retranscription from medical prescription to nurse administration
- Electronic traceability for the all the process
- Single prescription software for medication and nutrition
- Logipren : appropriate software for neonatology
- Bp'prep : appropriate software for Pharmacy compounding