

## PEDIATRIC CHEMOTHERAPY PREPARATION AN A PRIORI RISK ASSESSMENT



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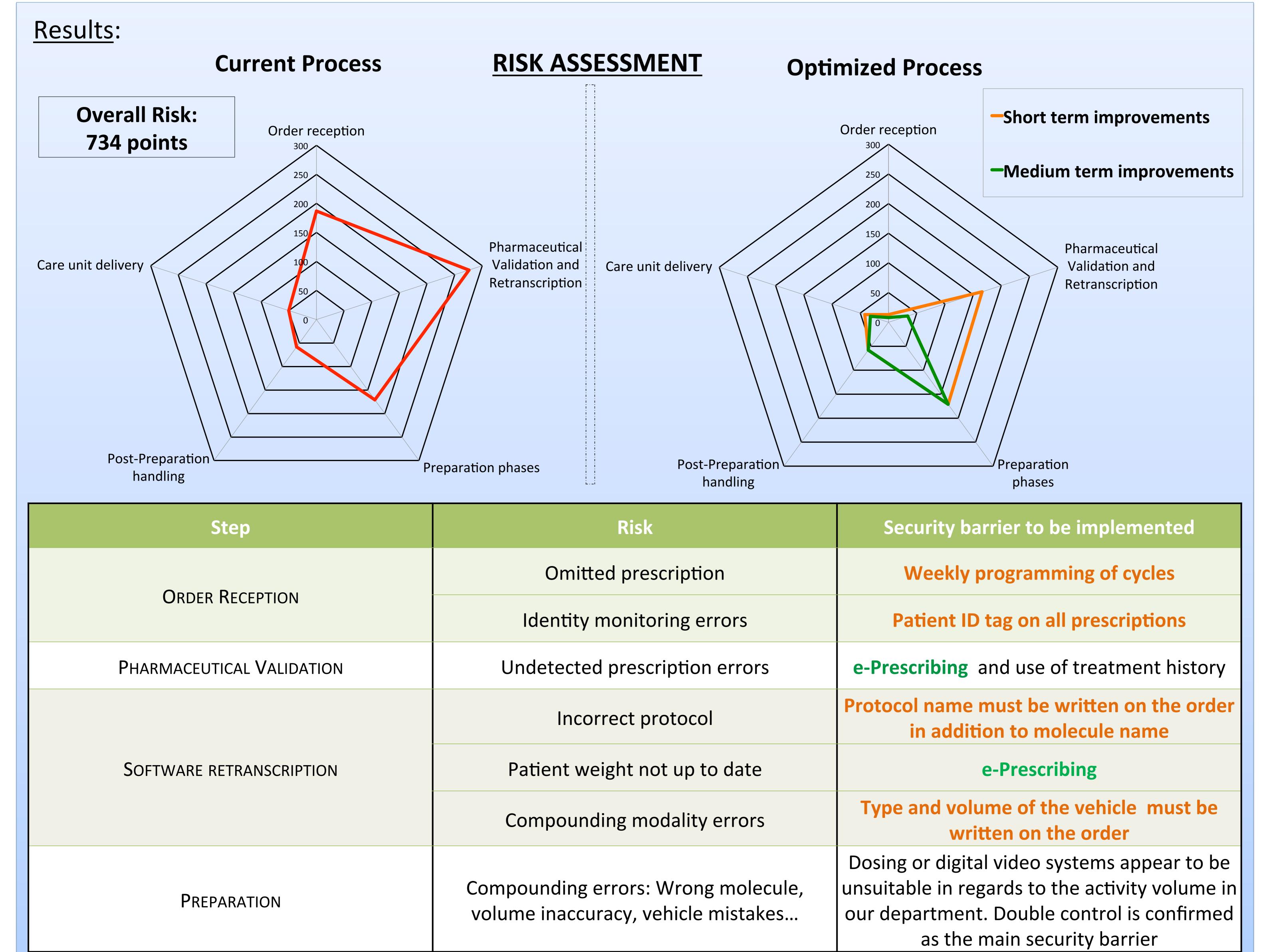
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<u>Background and purpose</u>: Chemotherapy compounding is a highly critical activity. Therefore, risk management of related processes is compulsory. Given the complexity of local process including multiple retranscriptions and no e-prescribing, an *a priori* risk assessment was conducted. Considering the results, corrective actions were elaborated and their impacts on overall risk were evaluated.

## Material and methods:

- Process analysis: « Handling preparation requests »
- Criticality evaluation of sub-processes following FMEA method (Failure Modes and Effects Analysis)

  Cr=Probability (P) x Severity (S) x Detection capability (D)
- Elaboration and a priori evaluation of corrective actions



<u>Conclusion</u>: The main issues related with current process are due to pre-preparation steps such as prescription modalities that can lead to misinterpretation by the pharmacist. This process assessment allowed us to determine which steps can be easily optimized in order to improve safety and quality of care associated with pediatric chemotherapies, pending e-prescription introduction.