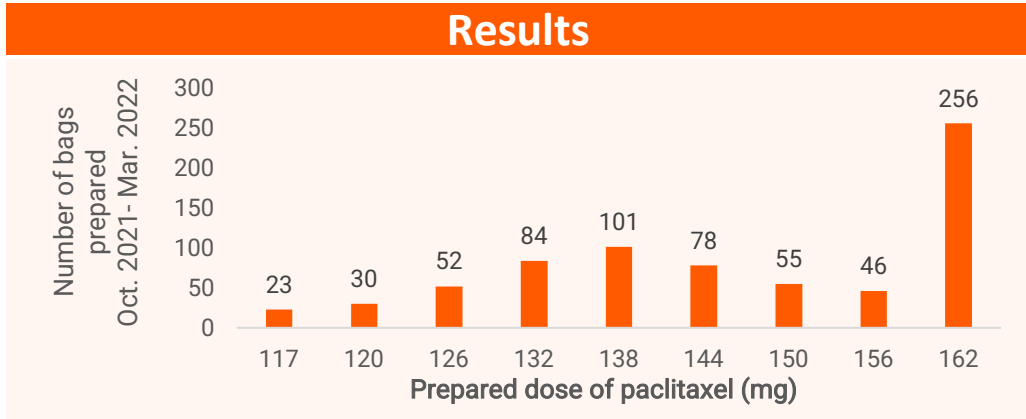


Bopp W.<sup>1</sup>, Istin S.<sup>1</sup>, Zavarro A.<sup>1</sup>, Gonnet F.<sup>1</sup>, Dupire P.<sup>1</sup>

<sup>1</sup> Pharmacie à Usage Intérieur, Centre Hospitalier de la Polynésie Française, 98716 Pirae, Tahiti

| Background   | Objectives   | Material and Method   |   |
|--|--|---|---|
| <p>French Polynesia (FP): single Chemotherapy Recovery Unit (CRU)</p> <p><b>13 %</b> of annual global preparations = Paclitaxel IV</p> | <p>→ Standard doses (SD) of paclitaxel</p> <p>→ Time saving :</p> <ul style="list-style-type: none"> <li>- For patients</li> <li>- For the organisation of the CRU and daytime oncology</li> </ul> | <ul style="list-style-type: none"> <li>• Single-centre study</li> <li>• Cohort: <b>79 patients</b> (breast cancer, maintenance phase)</li> <li>• Paclitaxel IV 80 mg/m<sup>2</sup>/week</li> <li>• Period: <b>October 2021 to March 2022</b></li> </ul> | <ul style="list-style-type: none"> <li>• Literature data</li> <li>• Asclepios® software: prescription and preparation data</li> <li>• Excel® spreadsheet</li> </ul> |



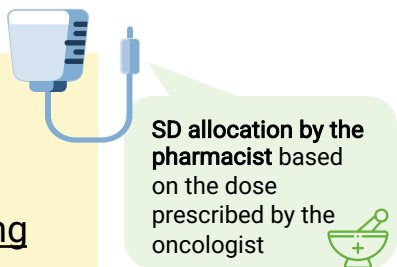
| Dose range covered (mg) | SD CHPF (mg) | Maximum deviation lower bound | Maximum deviation upper bound |
|-------------------------|--------------|-------------------------------|-------------------------------|
| [120 ; 133]             | <b>126</b>   | - 4,76%                       | 5,56 %                        |
| [134 ; 144]             | <b>138</b>   | - 2,90%                       | 4,35 %                        |
| [145 ; 156]             | <b>150</b>   | - 3,33%                       | 4,00 %                        |
| [157 ; 160]             | <b>162</b>   | 3,09%                         | - 1,23 %                      |

## Conclusion

### CRU optimisation

**Mass production :**

- 10 bags of 162 mg
- 23% SC ≥ 2 m<sup>2</sup>
- 5 bags of : 126 mg, 138 mg, 150 mg



### Time saving

**Before standardisation:** 1 bag = 20 minutes

- From sterilisation to analytical control

**After standardisation:** 5 bags = 35 min

- 7 min/bag
- Minimum time saving ≥ 13 min/bag



### In the future

Apply SD to other molecules: **Oxaliplatin, Irinotecan, ...**