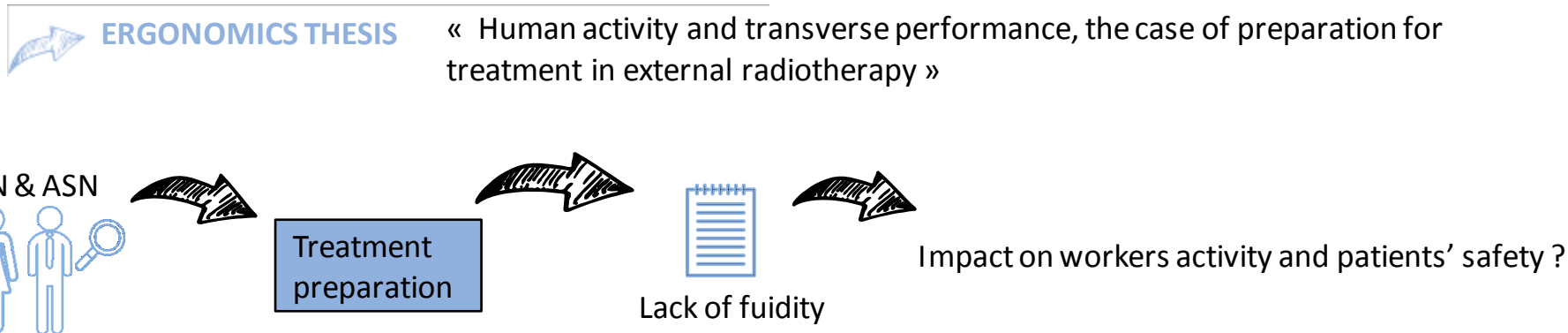


METHODOLOGY PROPOSAL TO ACCESS CROSS-FUNCTIONAL COLLECTIVE ACTIVITIES OF EXTERNAL RADIOTHERAPY

Alexandra Wartel, Céline Poret, Johann Petit
and Sylvie Thellier

Presentation



Observation	Interview	Documents analysis
Open observations 60h in the field 2h30 meetings Systematic observations 4h	Formal interviews 5h20	Radiotherapy center documents 7h30 Chief physicist radiation therapy courses Radiation therapy books/articles...

Methodology

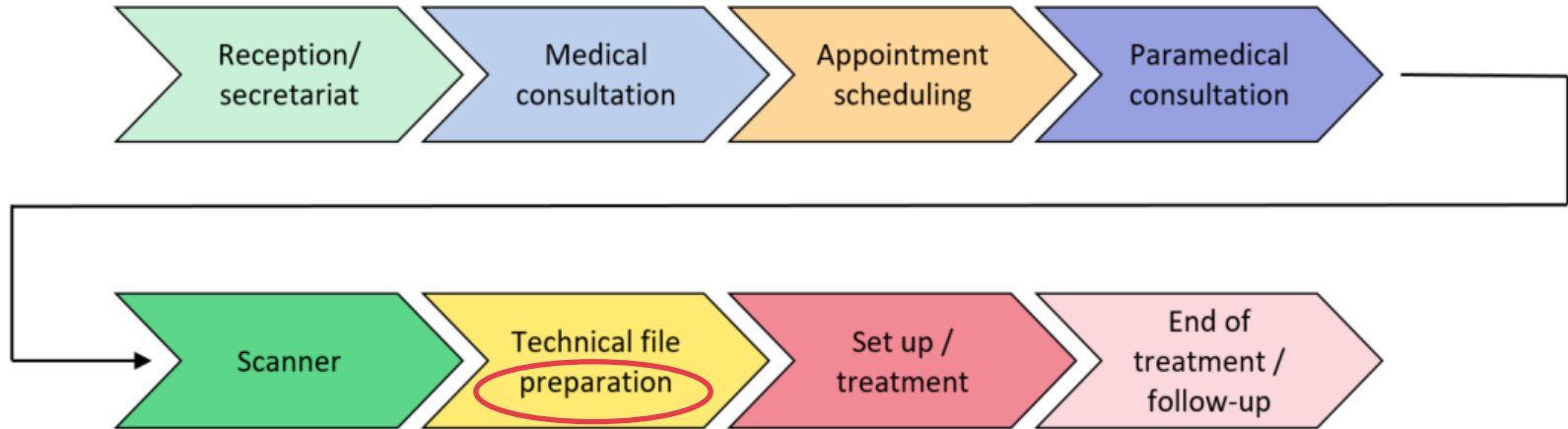


Fig. 1 “process cartography” of the treatment carried out by radiotherapy department.

Results

Complexity of preparation

Preparation activity is a cross-functional collective activity difficult to delimit

Multiple types of preparation :

Preparation's object

Patient's preparation
Machine's preparation
Medical files' preparation ...

Types of treatment

Classical treatment
Emergency treatment
Re-irradiation...



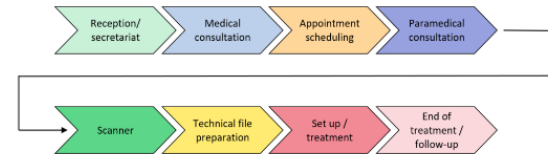
Characterization of fluidity

Professionals:

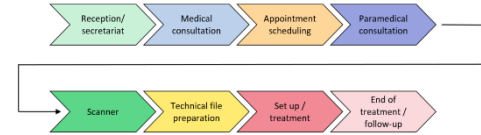
lacks of fluidity = hazards



Acceleration
Slowing down
Stoppage



Discussion/ conclusion



Participatory modelling

Determinants of the lack of fluidity

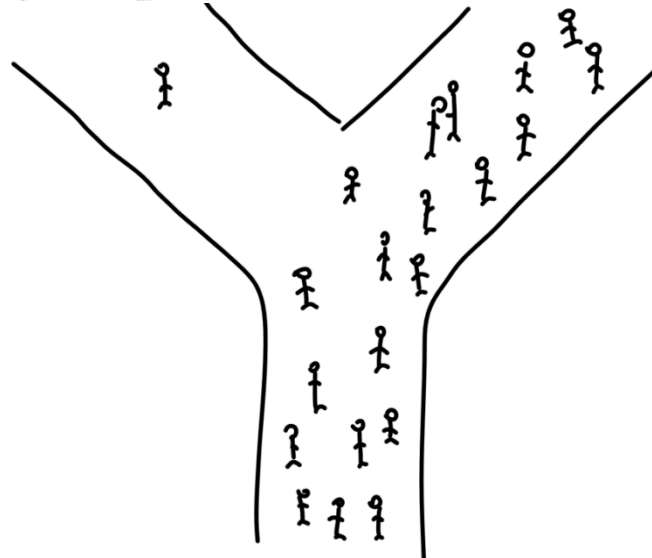
Signs of interactions

Micro

Including professionals in the process modelling → participate in part of the analysis of the activity

Put in debate what preparation is

Lively / dynamics



“Process cartography”

Theoretical & sequential process

Macro

No determinants of the lack of fluidity

Freeze frame / static