An intervention approach to optimize the wellbeing of older people living with Alzheimer's disease who scream: Results of an action research

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Interventions mentioned in the literature

- Biomedical treatment
- Behavioural approaches
- Modifying the physical environment
- Modifying the social environment
- Using multiple interventions

Lack of efficacy: interventions are not based on the meanings of screams

(Christie & Ferguson, 1988; Cohen-Mansfield, Libin, & Marx, 2007; Cohen-Mansfield, & Werner, 1997; Doyle, Zapparoni, O' Connor, & Runci, 1997; Ramadan & Naughton, 1999)



Goal

 To develop and evaluate interventions based on the meanings of screams of older people living with Alzheimer's and related diseases



- Conceptualization of a process to identify the meanings of screams by formal caregivers with family members
- 2. Development and evaluation of interventions based on these meanings







Sociodemographic characteristics

- Older people (n = 8)
 - Mean age: 89.5 years old (SD = 4)
 - **우** : 5 **ð** : 3
 - Dementia severity: 6 / 8 = moderate or severe
- Family caregivers (n = 10)
 - Mean age: 62.6 years old (SD = 17)
 - **우** : 7 **ð** : 3
 - Daughter / son (5), spouse (1), nephew / niece (2), other (2)
- Formal caregivers (n = 17)
 - Mean age: 48 years old (SD = 10)
 - **우** : 12 **♂** : 5
 - RN (4), RNA (2), NA (10), other (1)
 - Average years of practice with this population: 13 years (SD = 11)







Results: Intervention ingredients

- Partnership in triad
- · Searching for the meanings of the behaviour
- Using multidimensional interventions coherent with the meanings
- Personalization of interventions
- Reflective practice

Results: Intervention components

- 1. Strategies to identify the meanings of screams
 - Exploratory, deductive, collaborative, reflective
- 2. Possible meanings of screams
 - Needs, stimulation, insatisfaction, discomfort ...
- 3. Categories of intervention
 - Socioaffective, cognitive / communication, behavioural / leisure
- 4. Specific interventions
 - Reminiscence, humour, music ...
- 5. Actors applying the interventions
 - Other residents, family, staff, volunteers ...
- 6. Reflective process and readjustment of interventions

INGREDIENTS	
COMPONENTS OF INTERVENTIONS APPROACH	ACTIONS
1. Strategies to identify the meanings of screams	1.1 Prerequisite
	1.2 Combine identification strategies
	1.3 Organize team meeting including family member(s)
2. Possible meanings of screams	2.1 Identify the meanings of screams in partnership
3. Categories of intervention	3.1 Associate each meaning with an intervention category in partnership
4. Specific interventions	4.1 Imagine specific interventions for each intervention category in partnership
5. Actors applying the interventions	5.1 Associate a maximum of people (other resident, family, staff, etc.) to execute the interventions in partnership
	5.2 Share with these people the interventions
	5.3 Follow-up on the implementation and effects
6. Reflection and readjustment of interventions	6.1 Organize another team meeting including family member(s)



- From the perspective of family and formal caregivers:

 - methods well-being of older person
 - **V** disruptiveness for family and formal caregivers

Mrs. Rachel's nurse's aide to her daughter

I could probably say [she is screaming less] at night because of the environment. When we turn her [in bed], there is now a picture of her brother, yes, once we turn her, she gets very quiet, she is relax. It is more like a home for her now. It helps calm her down.

Results: Involvement of participants in knowledge transfer

- Results on intervention components written up as an exemplar:
 - "Mrs. Adrianna, her daughter and a professional caregivers"
- Nurse's aides volunteered for a public reading/playing of the exemplar to colleagues
- Triggered discussion on:
 - results
 - knowledge transfer into professionnal practice

Conclusion

- Promising intervention approach to increase well-being of older people, family and formal caregivers in LTCF
- Contributes to increase partnership between family and formal caregivers
- Effects will be formally evaluated in coming research projects:
 - 1. Pilot study
 - 2. Practical clinical trial

