

# The role of gaze in the choreography of gestures, signs, speech and actions during family dinners

Morgenstern Aliyah, Caët Stéphanie, Danet Claire, Loulou Kosmala, Chevrefils Léa, Parisse Christophe

## ▶ To cite this version:

Morgenstern Aliyah, Caët Stéphanie, Danet Claire, Loulou Kosmala, Chevrefils Léa, et al.. The role of gaze in the choreography of gestures, signs, speech and actions during family dinners. 1st International Multimodal Communication Symposium, Apr 2023, Barcelona, Spain. hal-04255159

## HAL Id: hal-04255159 https://hal.parisnanterre.fr/hal-04255159v1

Submitted on 23 Oct 2023

**HAL** is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.



## The role of gaze in the choreography of gestures, signs, speech and actions during family dinners

Aliyah Morgenstern, Stéphanie Caet, Claire Danet, Loulou Kosmala, Léa Chevrefils and Christophe Parisse

#### Context

#### INTRODUCTION

- Family dinners grounded in commensality are a collective ritual that plays a key role in family members' identity and constitutes an inherent part of their
- hared moments of everyday life present a perfect opportunity to study how situated multimodal language and interactive practices are tranused by children.
- ubtle interweaving of these practices while eating fully engages the body, our family dinner project highlights the semiotic differences bet nildren using a spoken language, and a sign language.

how family members collaboratively manage the accomplishments of multiple streams of activity and coordinate their temporal organizations throug mbodied performances of dining and interacting (Goodwin, 1984).



#### THEORETICAL FRAMEWORK

Language socialization practices of families (Ochs, 1988; Ochs & Schieffelin, 1984; Schieffelin & Och

Languaging = multimodal language use
"linguistic actions and activities in actual communications"

Cognitive linguistics

Construction grammar

"Multimodal constructions"

The scope of relevant behaviors

Each language provides a certain set of options

inguaging might not be solely relative to languages and cultures ut also to the mode of expression (Soutet, 2018; Morgenstein, 2022).



Figure 1: Child B languaging

The role of gaze

A number of constraints are different for speaking and signing family members - using the mouth to eat and speak is problematic and it is not easy to cut meat or pour water and be an active addressee of a signer as gaze is an essential component of interaction in sign language. But there also are possible activities one learns to combine - chewing can be synchronous with actively listening and gazing at the speaker or signer. Family members deploy a multitude of skillful multimodal variations in the collective coordination of bodies, activities and artifacts.

### **RESEARCH QUESTIONS**

- Are there differences according to the language
- used in the amount of co-activity?

  Does the amount of co-activity affect the amount of languaging used in each family?
- Is gaze used differently in families using a sign/vocal language?

To study language specific differences in a multi-activity set-up and the differences in the management of gaze, we observe and analyze participants who are engaged in dining together and focus on how

- the language they use, LSF or French,
- the semiotic resources at play
- the body parts involved in their co-activity shape their **interlanguaging**.

#### **DATA AND METHOD**

# **Data collection** a



#### **OVERALL RESULTS ON CO-ACTIVITY**

Focus on the time globally spent acting, languaging or doing both at the same time.



Graph 1: Percentage of acting and of languaging (duration) in each family



Graph 2: Percentage of acting and of languaging (duration) of mothers and younger children in the two families

In both families, *languaging* (as a mono-activity or a co-activity) represents **27 to 29% of the duration of the dinner**, slightly more in the LSF-family than in the FRA-family.

Difference in the way these two families coordinate their language use and their dining or non-dining activities

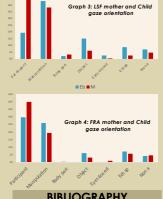
FRA-family: lower proportion of languaging alone (8%) than of co-activity (19%) participants tend to interact with each other without having to interrupt their acting and vice

LSF-family: time spent on languaging alone (18%) is higher than in co-activity (12%), the members of this family tend to alternate languaging and acting.

M and Eb of the FRA-family present a higher propensity to co-activity (average at 21%) than the LSF-family (average at 11%). The channel used to communicate thus seems to have an impact on the potential for overlapping

The young children present in both cases a lower proportion of co-activity than their

# GAZE ORIENTATION



### **BIBLIOGRAPHY**

Scan QR code

- Both mothers gaze at participants 40 to 45% of the time. Both children gaze less at
- participants than their mothers do.
- LSF child gazes less at participants and more at manipulations and objects than FRA child.
- LSF mother and child gaze more at manipulations than FRA mother and child.



Scan QR code for additional information and videos

Among other characteristics

- LSF mother gazes at her interlocutors around 88 % of the time, FRA mother around 68%.
- LSF child gazes at her mother when speaking to her 89% of the time, FRA child 66% of the time.

#### **QUALITATIVE ANALYSES**







#### CONCLUDING DISCUSSION









