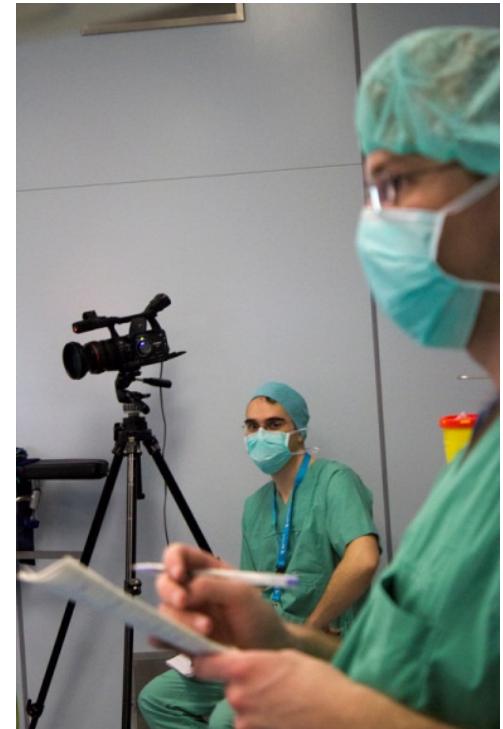
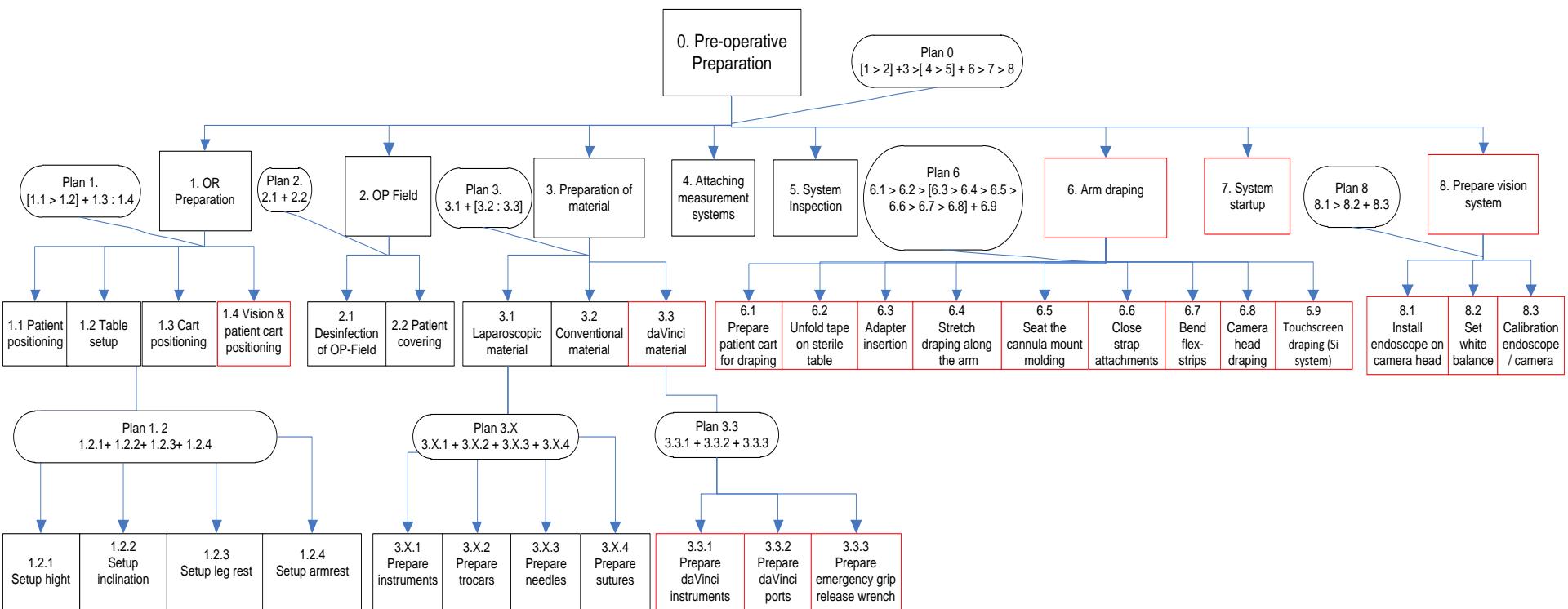


Analytical methods - (Field) Observations





Analytical methods - Hierarchical task analysis



Analysis

Analytical methods - Communication analysis

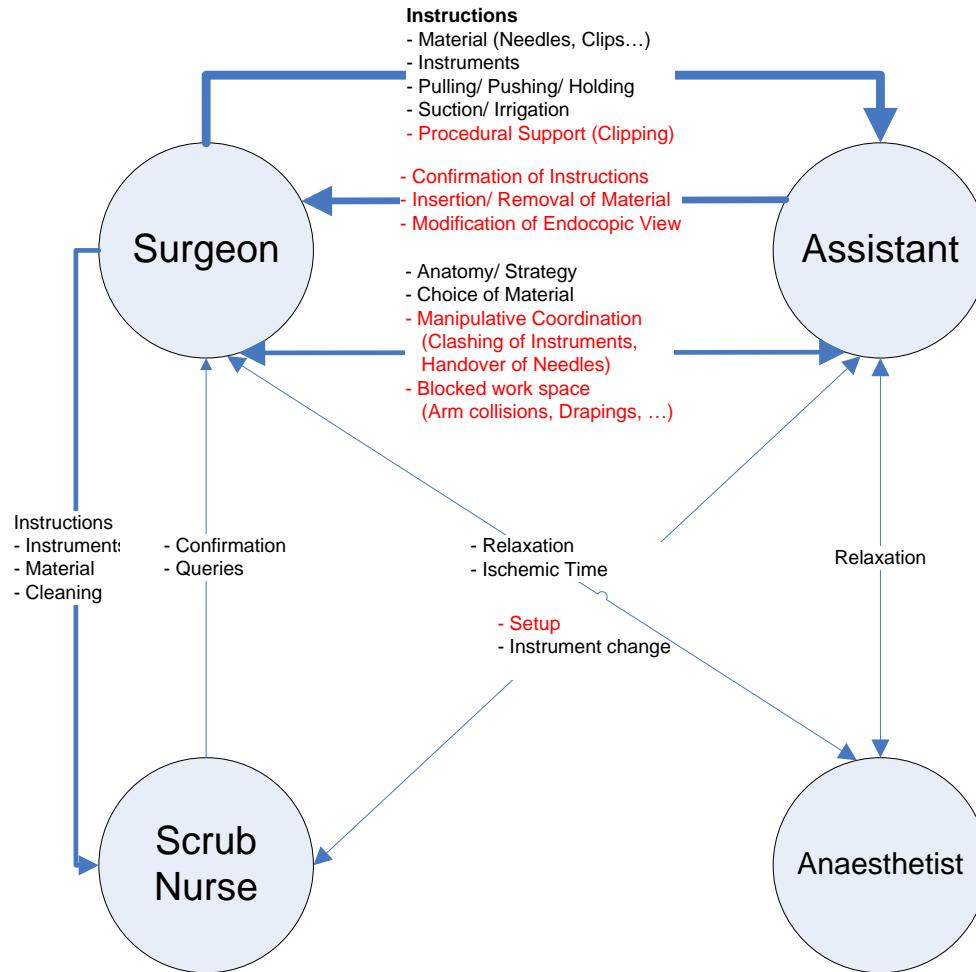
The screenshot displays a software application for communication analysis, likely used in medical settings like surgery. The interface includes:

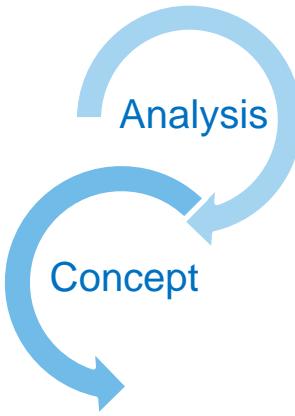
- Timeline Table:** A grid showing communication events between participants (e.g., Chirurg, Assistent, Schwester) over time. The columns include: ID, Start Time, End Time, Speaker, Content, and Action.
- Video Feed:** A live video stream from an operating room showing a surgeon in green scrubs performing a procedure.
- Kodierfenster (Coding Window):** A table where each row corresponds to an event in the timeline. It lists the Task (e.g., Chirurg <-> Assistent), Code (e.g., Kommunikationsrichtung), and Klasse (e.g., Kommunikationsrichtung).
- Steuerungsfenster (Control Window):** A panel on the right containing controls for video playback (play, stop, volume, speed), a timestamp (01:01:30:29), and other settings.

ID	Start Time	End Time	Speaker	Content	Action
3	00:09:51:21	00:09:55:21	Schwester	Chirurg	
4	00:13:03:17	00:13:09:18	Chirurg	> Schwester	Benötigt aktives Ein
5	00:13:09:27	00:13:14:03	Chirurg	> Assistent	
6	00:13:15:13	00:13:19:09	Schwester	> Chirurg	
7	00:13:20:22	00:13:22:25	Chirurg	> Schwester	Benötigt aktives Ein
8	00:15:55:03	00:15:59:12	Chirurg	> Assistent	Reinigung Instrum
9	00:16:33:01	00:16:36:24	Schwester	> Chirurg	Reinigung Instrum
10	00:18:39:14	00:18:43:10	Chirurg	> Schwester	
11	00:18:48:09	00:18:52:09	Schwester	> Chirurg	
12	00:20:44:17	00:20:50:07	Chirurg	> Schwester	Benötigt aktives Ein
13	00:22:07:01	00:22:16:03	Chirurg	> Assistent	Benötigt aktives E
14	00:25:37:12	00:25:49:12	Alle		Material im Situs
15	00:31:49:12	00:32:01:28	Chirurg	<-> Assistent	OP Strategie und t
16	00:34:57:01	00:35:00:15	Chirurg	> Assistent	Benötigt aktives E
17	00:36:21:26	00:36:25:03	Chirurg	> Assistent	Benötigt aktives E
18	00:39:01:02	00:39:04:06	Chirurg	> Assistent	Benötigt aktives E
19	00:39:13:05	00:39:23:20	Chirurg	<-> Assistent	
20	00:39:55:15	00:39:59:03	Chirurg	> Assistent	Benötigt aktives E
21	00:40:06:01	00:40:10:25	Chirurg	> Assistent	Benötigt aktives E
22	00:40:56:06	00:41:03:11	Chirurg	<-> Assistent	

Analysis

Analytical methods - Social network analysis

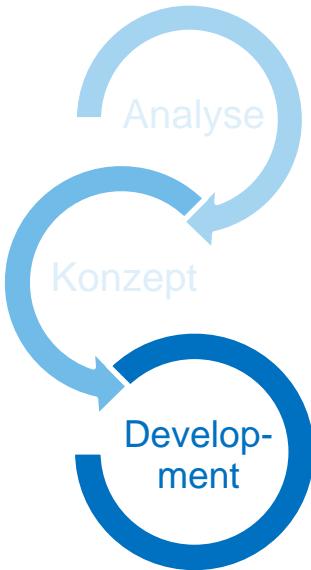




Surveys

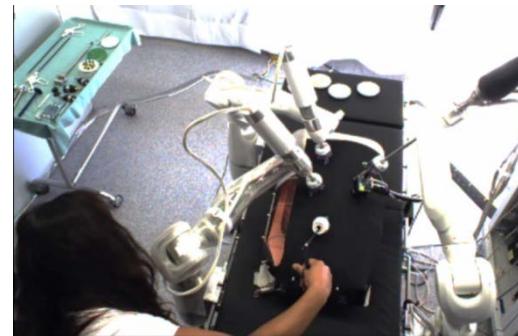
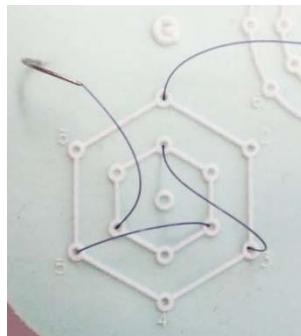
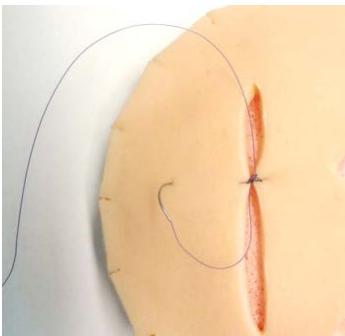
- Semi-structured Interviews (e.g. critical incidents)
- Expert workshops





Experimental Evaluation

- User studies with prototypical systems





Experimental Evaluation

- Laboratory or simulation studies

