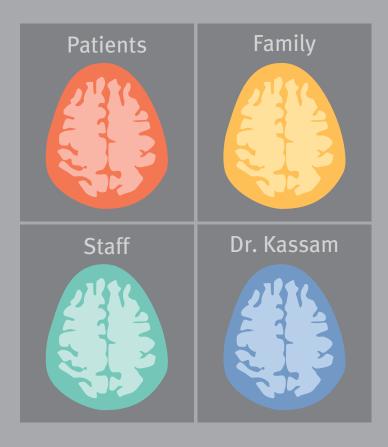
Designing for the Clinic Experience

Service Design for UPMC Presbyterian Neurosurgery Clinic

Carnegie Mellon School of Design UPMC Center for Quality Improvement & Innovation Service Design · Fall 2007

Melissa Cliver · Jamin Hegeman · Kip Lee Leanne Libert · Kara Tennant



UPMC Center for Quality Improvement & Innovation

Our liaison with the clinic

Given Problems

Wayfinding

Wait time

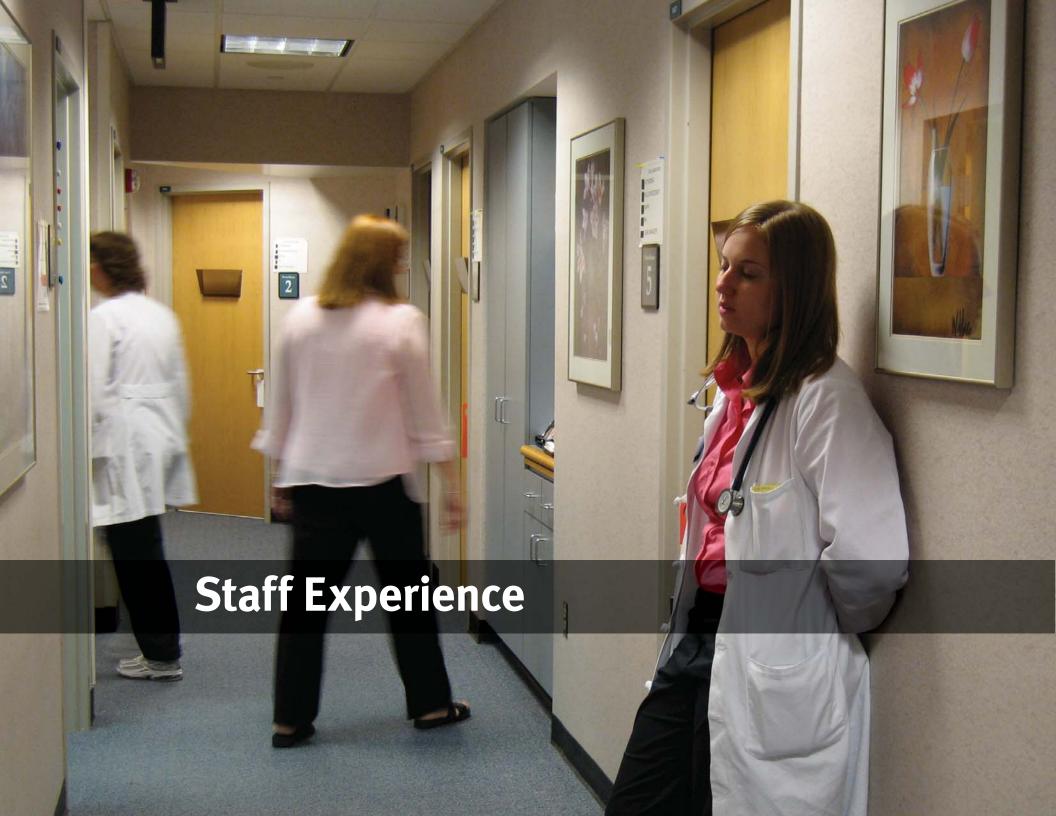
Work flow





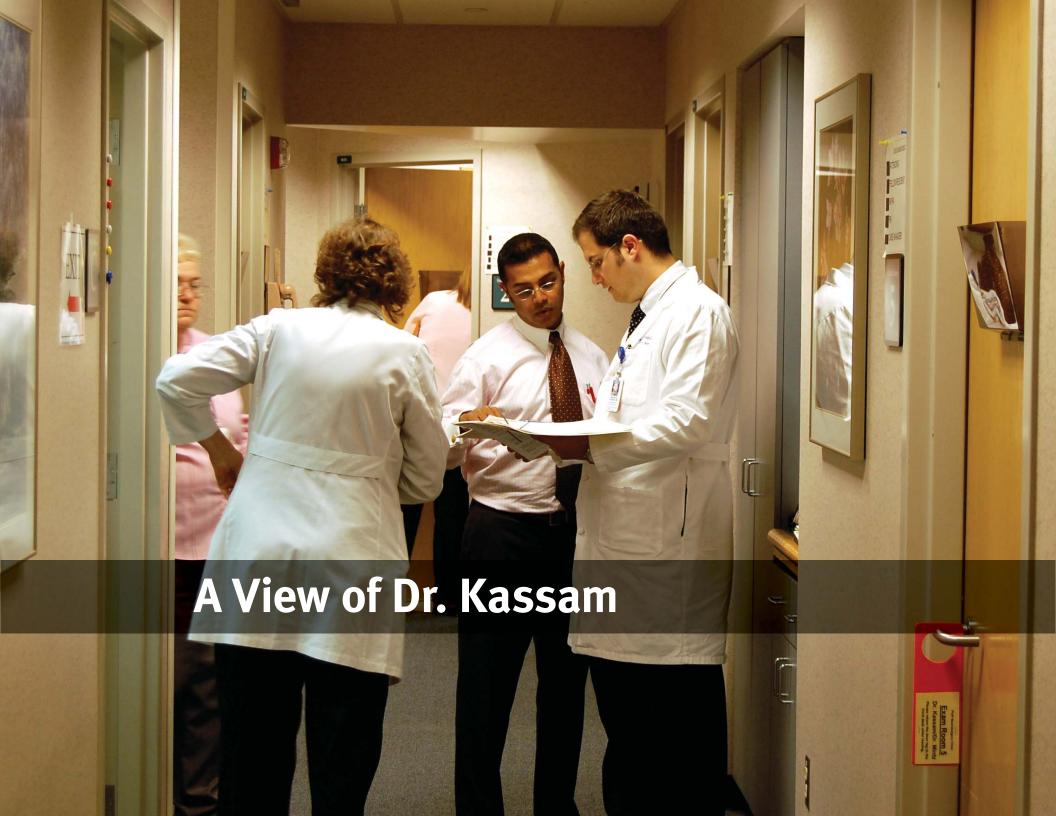
"Has he been in to see the patient in room seven yet? She's getting restless after being in there for an hour."

Nurse



"We all have our meltdowns. It goes around the office."

– Nurse

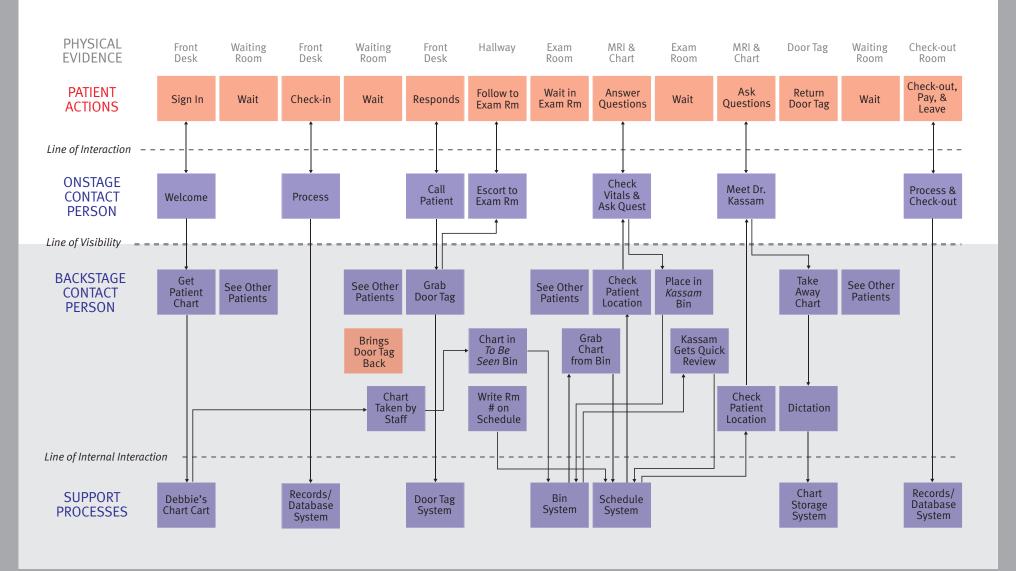


"If they call me today, they'll get in. Kassam has never said no."

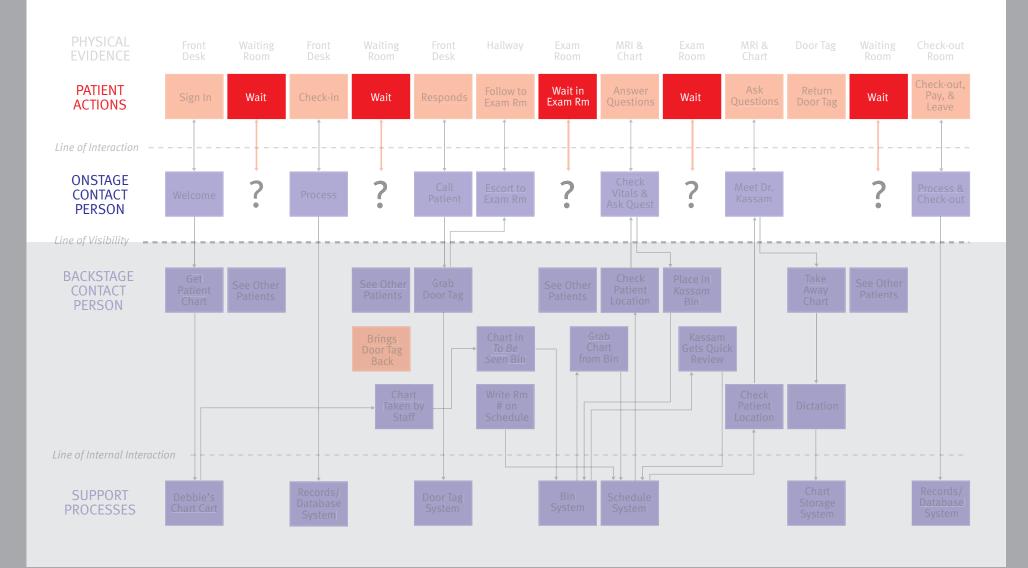
Clinical Secretary



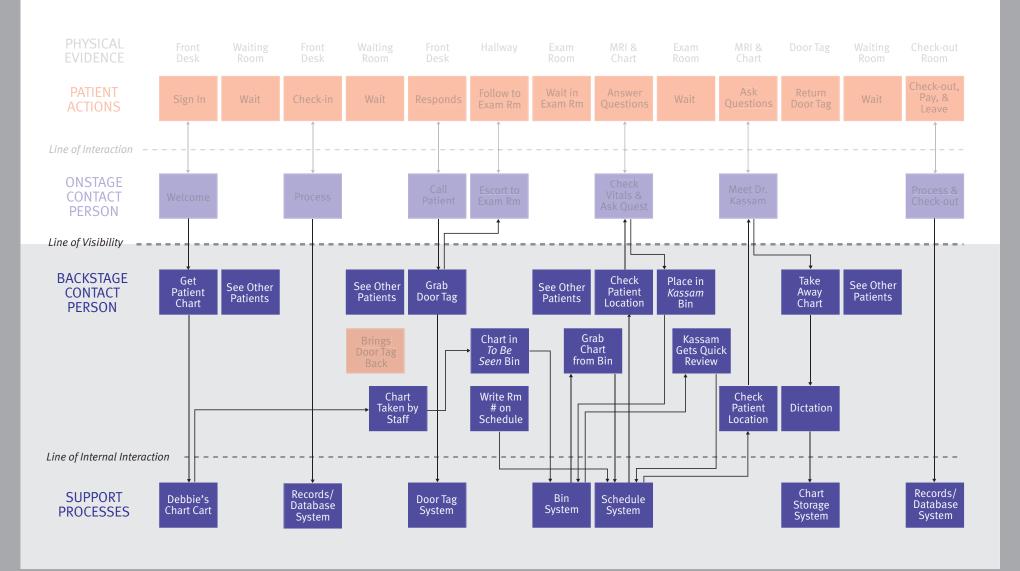
Service Blueprint of Presby Neuro Clinic



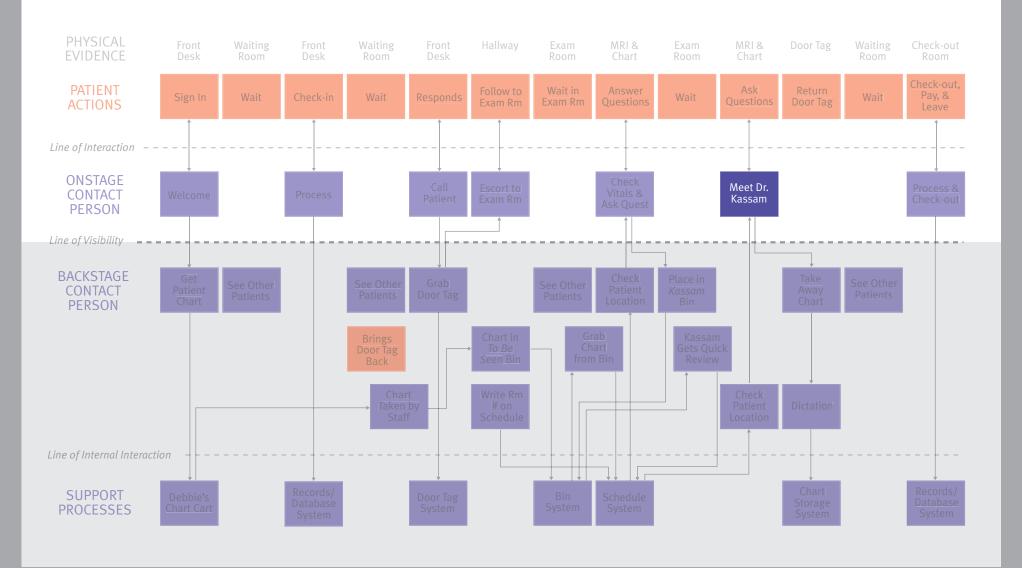
Lack of wait time interactions



Complex workflow



Flow dependent on Dr. Kassam



Needs

Patient

Feeling welcome

Actual wait time

Respect

Space and comfort

Distractions

Staff

Better workflow

Locating Dr. Kassam and each other

Communication

Making a difference

Dr. Kassam

Spend quality time with patients

See everyone

Support Staff

Time

It's more than wayfinding, wait time, and workflow.

The experience is the relationship between patients, staff, and Dr. Kassam within the given space.

Opportunities

Embrace Wait Time

Inform, engage, and comfort patients?

Improve Workflow

Fewer tasks, less distraction, and better communication?

Balance Kassam

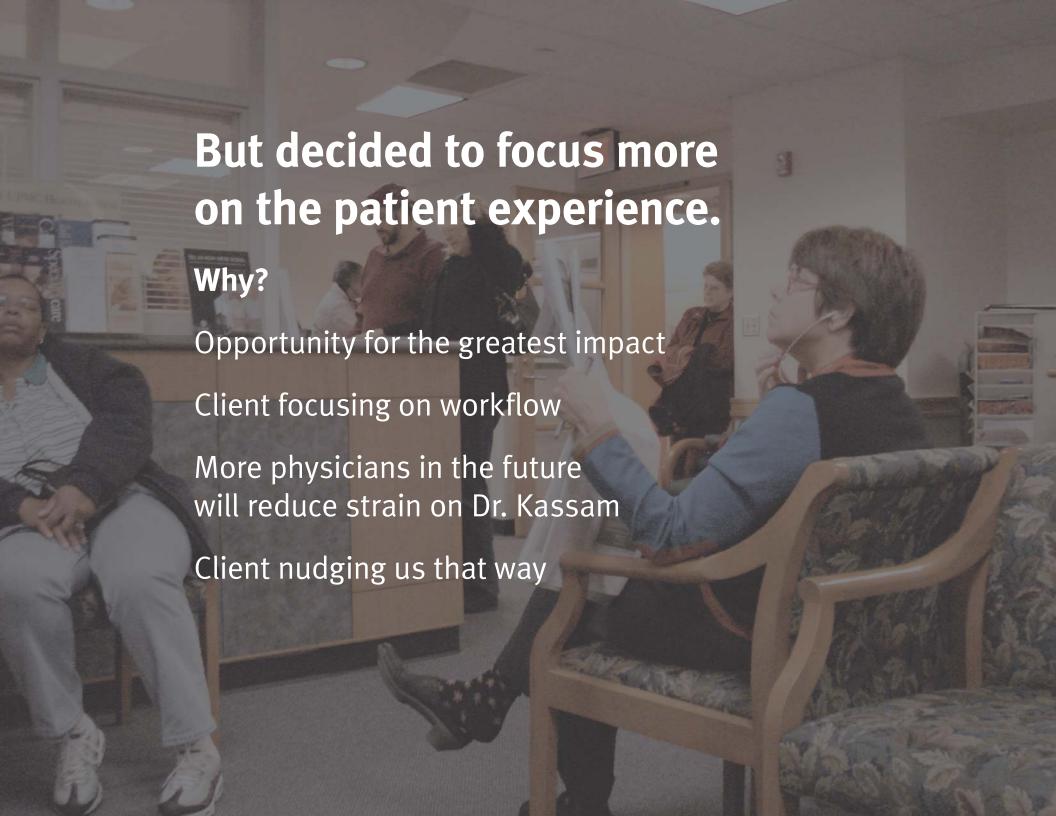
Support his efforts to help patients, but also find time for himself and support his staff.











We moved and removed chairs to affect the patient experience.





Before After







"We'll talk about anything to anyone.

Entertain us."

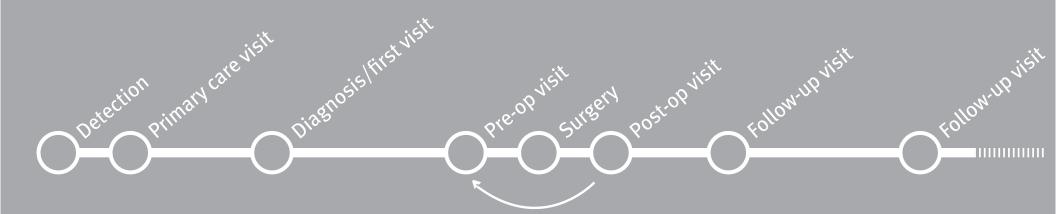
"The first time I came, my mom and cousin were in the waiting room for three hours. My mom finished a book. That was really hard for me."

"Our town has one traffic light."

"I come by myself now. I don't bring my family anymore. I'm my own woman."

"I'm about to get brain surgery.
I don't want to play checkers!"

Patient Journey

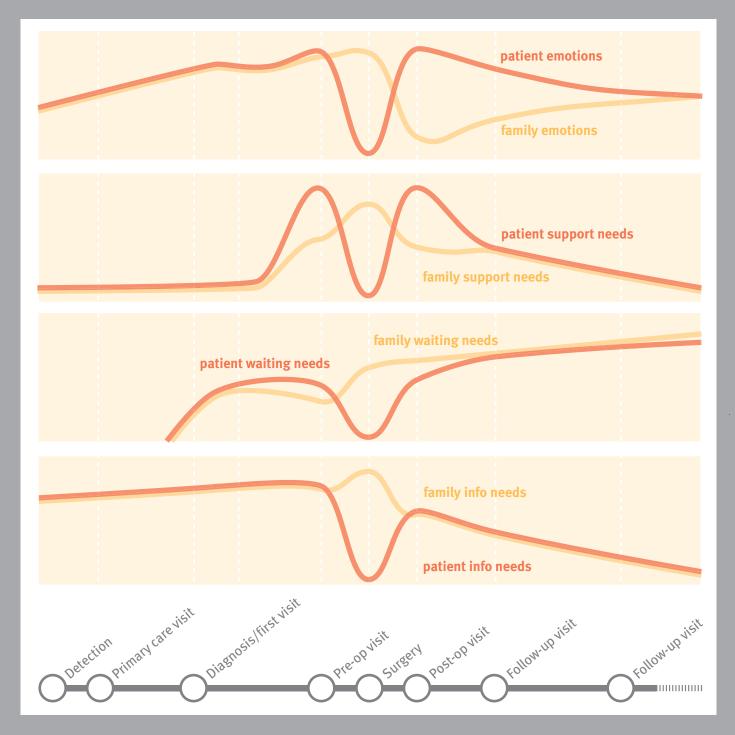


Emotions

Support Needs

Waiting Needs

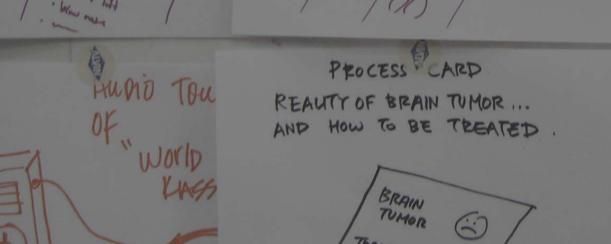
Information Needs

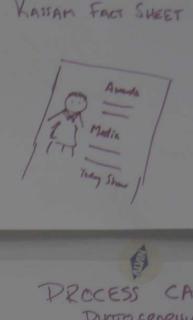


	New Patient	Pre-op Patient	Post-op Patient	Returning Patient
Emotions	Curious Hopeful Feels bad about family waiting Confusion	Can't think Overwhelmed Self-concerned Confusion	Dazed Feels bad about family waiting Mixed feelings: laughing crying Shock and relief	Thankful Understanding Bored Blessed
Support Needs	Emotional Support	Transportation Someone to collect info Someone to make arrangements	Transportation Someone to collect info Physical care	Transportation Physical care
Waiting Needs	Distractions	Special treatment	Distractions	More engaging distractions Interactions
nformation Needs	Schedule Valet Place to stay Wait time Sign-in process	Testing info Surgery info/procedure Reality: good/bad Wait time Sign-in process	Possible symptoms Medical education Medical translation Schedule/other appt. Wait time	Wait time Schedule/other appt. Don't want to repeat personal info

In



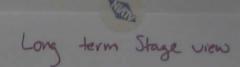


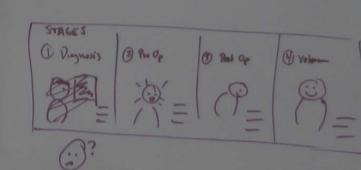


CARD PHOTO GRAPHIC

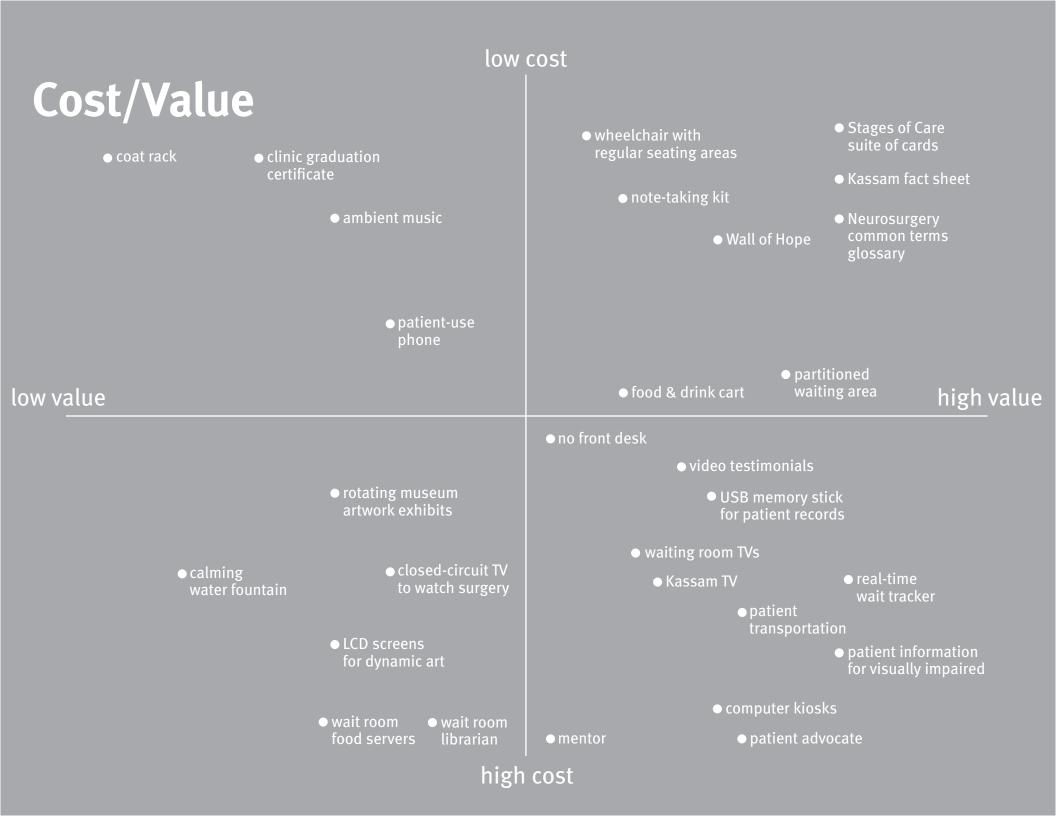


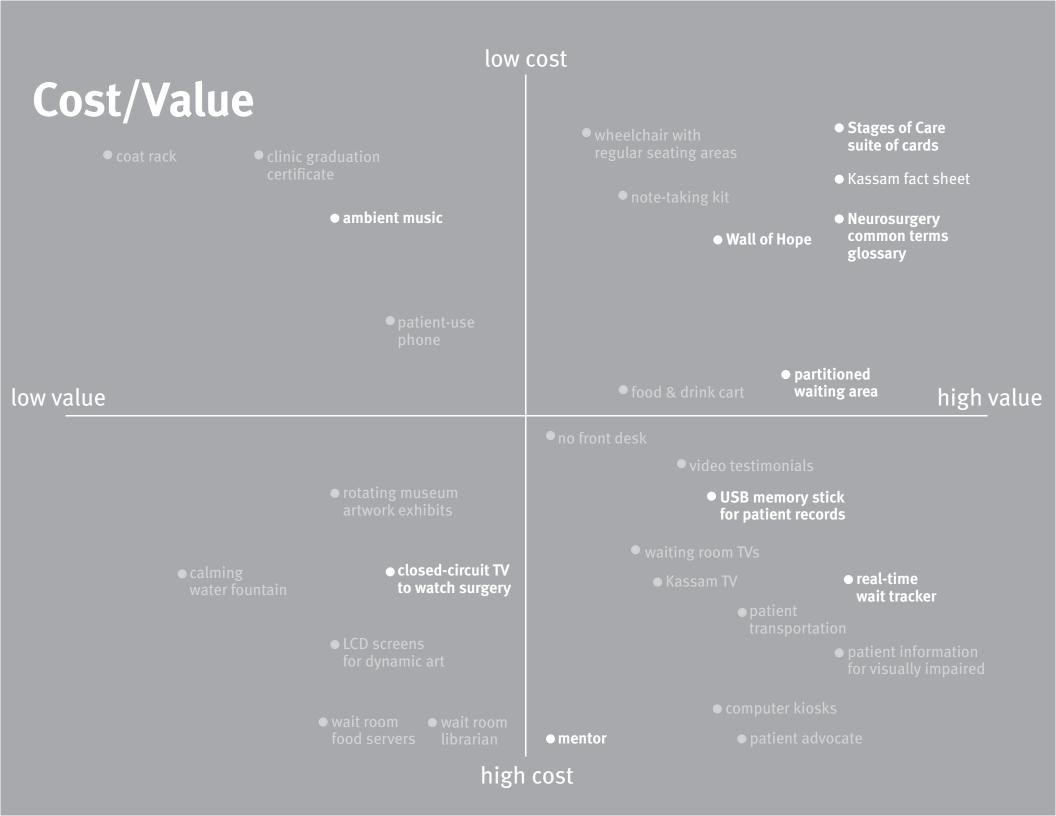
A+ + Clinic





Be fore Clinic





Concept Validation

Soothing Music

Glossary of Neurosurgery Terms



On Adam's first visit to the clinic, the check-in nurse gives him a glossary of common terms used in neurosurgery.

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list off a number of procedures and medical terms that Adam does not know.









Her medical history and information prints out for her to verify. Debbie's glad she doesn't have to recite any information or fill out paperwork.

Dr. Kassam Fact Sheet



Wall of Hope

Bonnie and her husband arrive at the clinic for the first time, anxious



Helen is concerned with her surgery.



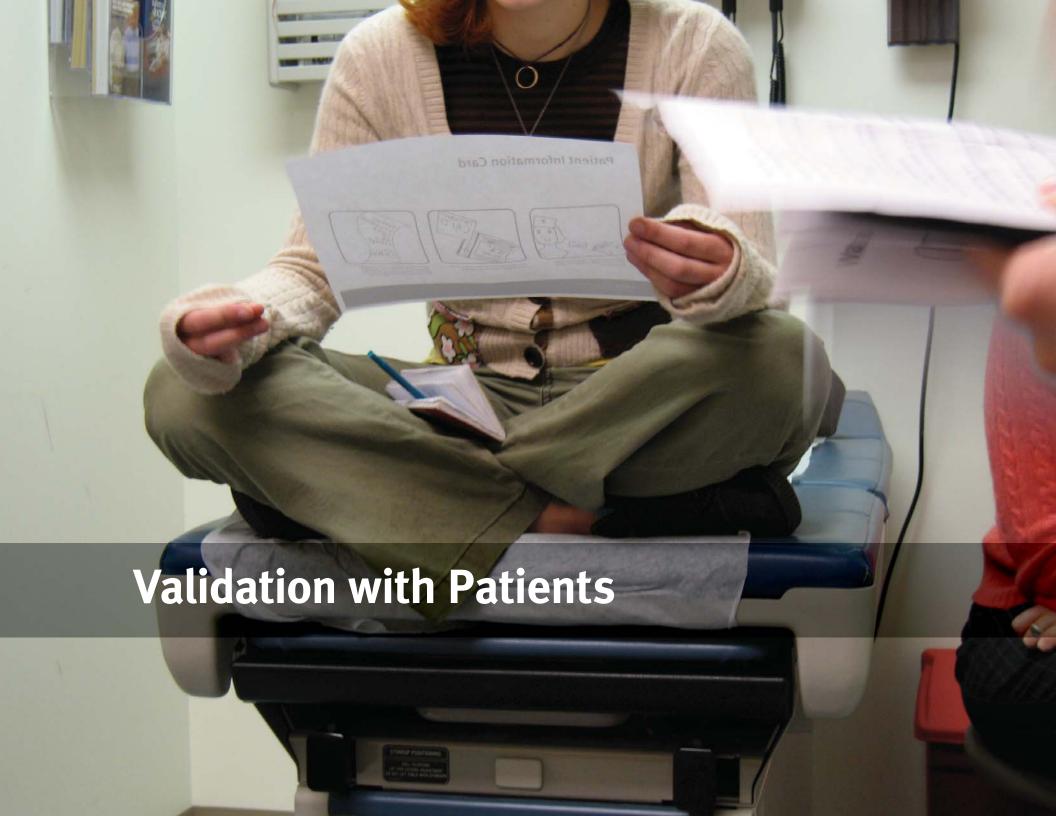
She is given a sheet providing facts and information on Dr. Kassam.

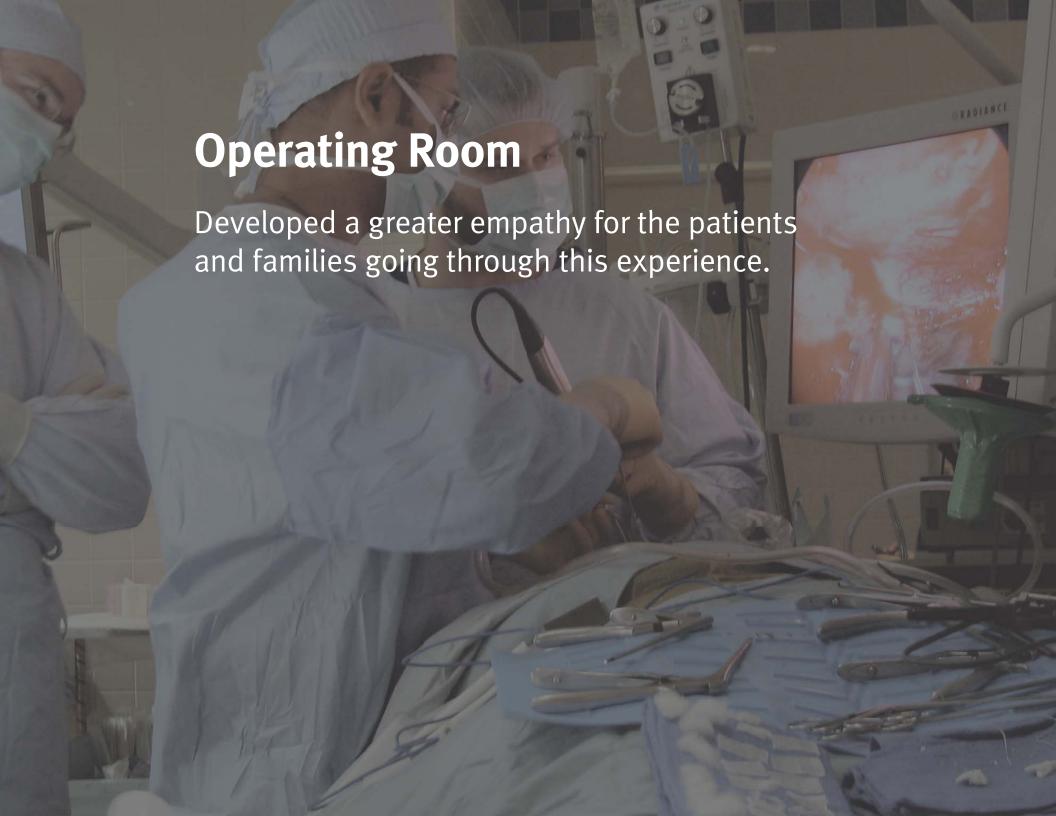


Helen is reassured that she is in good hands. She is able to focus on

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Concept and Process Book

Holistic view of the clinic

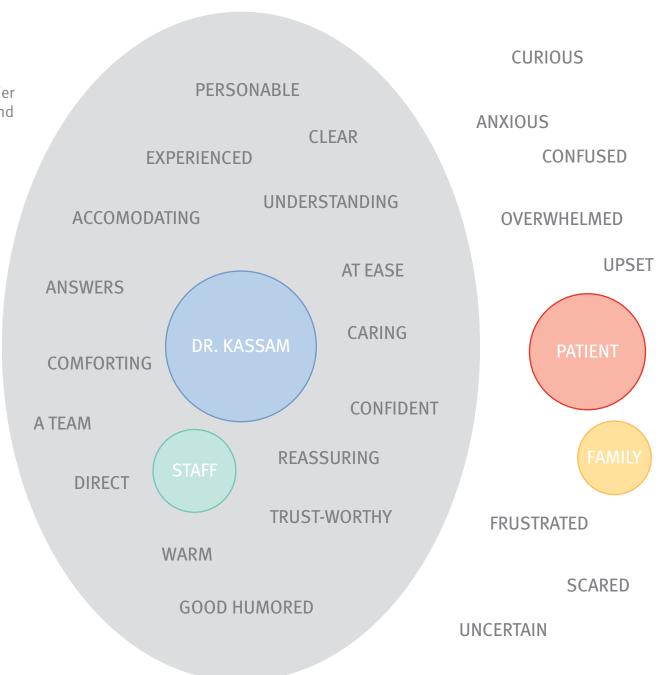
Sharing what we learned

Providing concept ideas to further explore and continue the work that we started



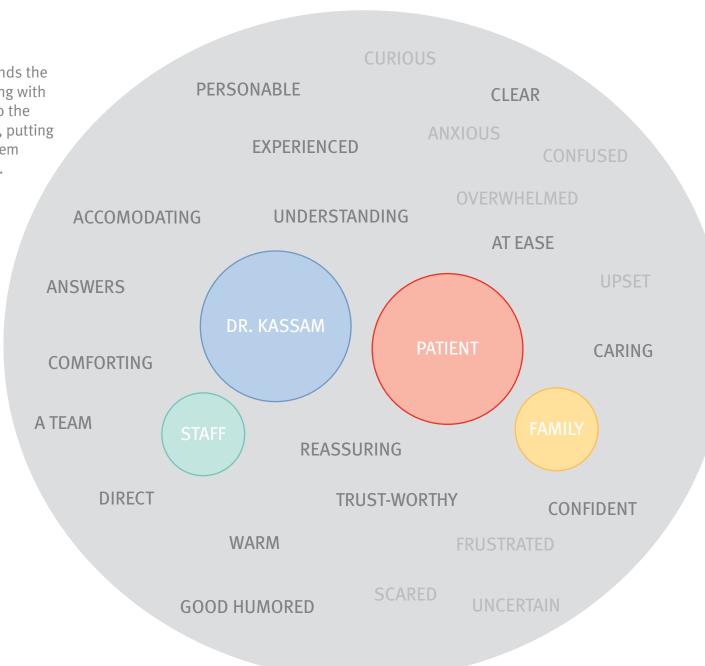
Current State

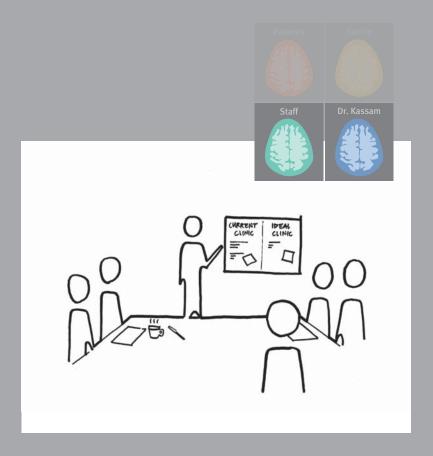
Lack of interaction at different points throughout the journey creates a barrier between patients and their families and the positive experience of being with Dr. Kassam and his staff.



Ideal State

Continual interaction extends the positive experience of being with Dr. Kassam and his staff to the patients and their families, putting them at ease and giving them control of their experience.





Clinic Staff Meetings

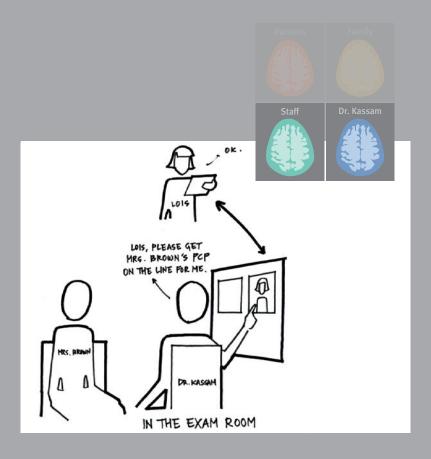
Needs met

- Forum for discussion and reflecting
- Team-building



Clinic Staff Locator

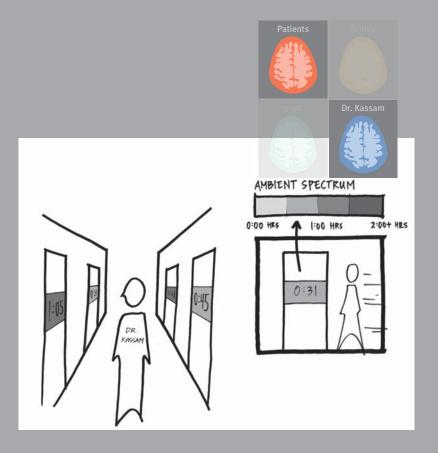
- Finding each other and Dr. Kassam
- Reduction in tasks



PCP Direct Link

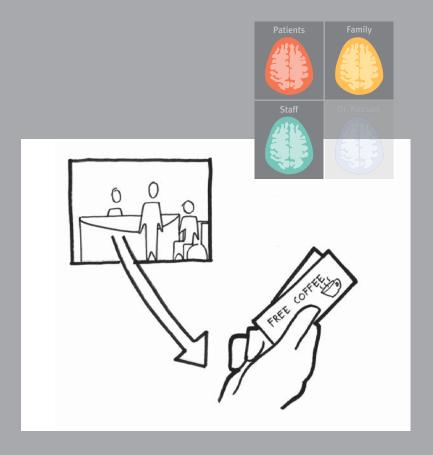
Needs met

- Support his staff
- Time for himself



Wait-time Indicator

- Desire to see everyone
- Time for himself
- Better communication



Gift from the Clinic

Needs met

- Comfort
- Feeling of good will from staff



Wall of Hope

- Reassurance
- Information
- Distraction

Welcome Booklet

Embodying Dr. Kassam and the clinic

Comfort

Confidence

Warmth

Humor

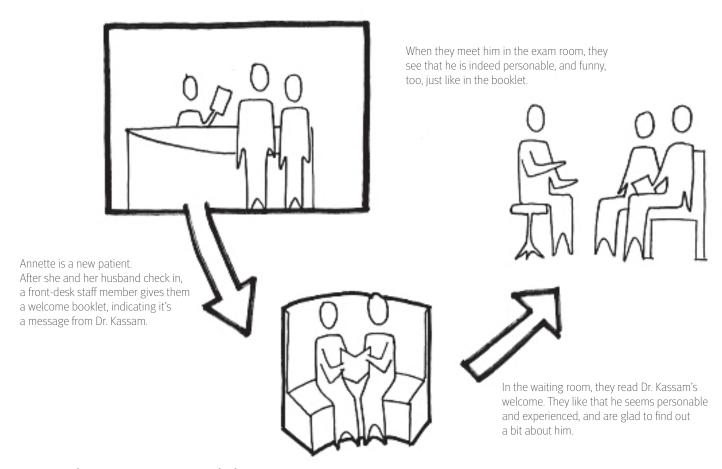
Bringing Dr. Kassam to the waiting room

Increasing staff service delivery role

Layout of the Book







Welcome Booklet

The Welcome Booklet gives new patients an overview of the overall patient journey, one clinic visit, the staff and Dr. Kassam in Kassam's own words.

Since a staff member hands the booklet directly to the new patient, it also serves as a new line of interaction between the staff and patient where there was none before.

- Information
- Interaction with Kassam

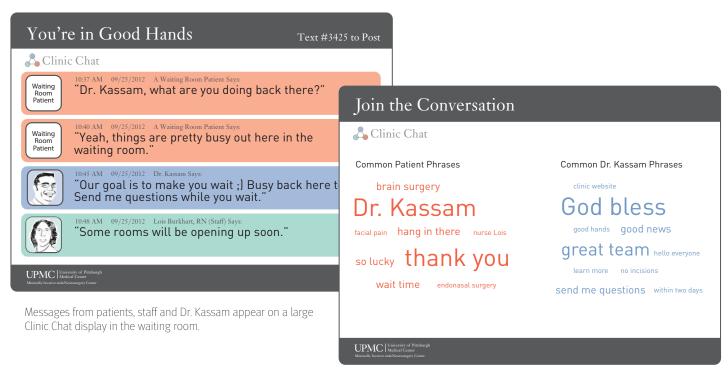


Clinic Chat

A Vision for the UPMC Neurosurgery Clinic

Creating a system of interaction, information, distraction, and support

Extending the comfort of Dr. Kassam and the clinic



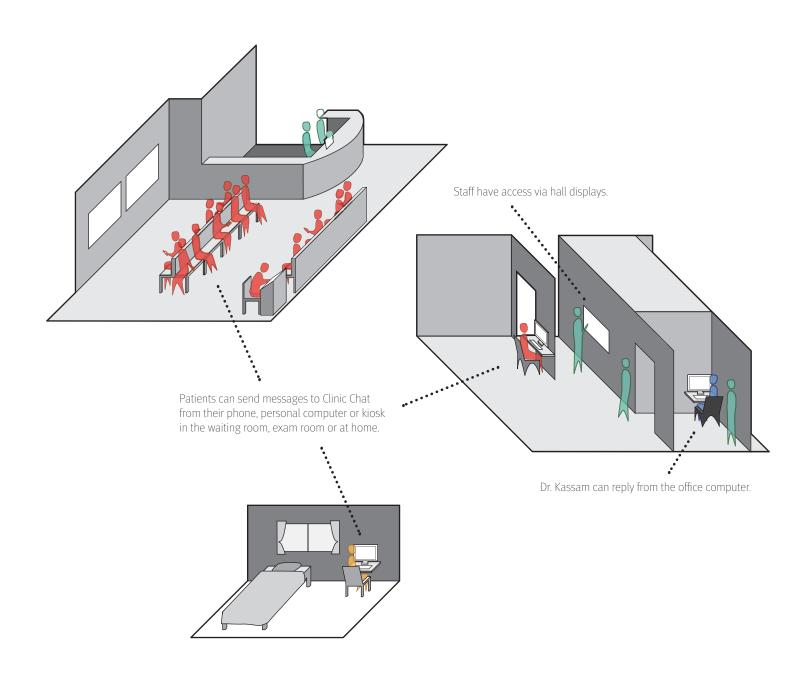
Common phrases from the Clinic Chat appear in a tag cloud on adjacent display to give viewers a general idea of what's been discussed.

Clinic Chat

Patients, Dr. Kassam, and staff contribute to an organically formed system that provides information, distraction, and a connection with Dr. Kassam and his staff during periods when they cannot be physically present with the patient.

- Front-stage/back-stage interaction
- Information
- Distraction
- Support





Part of a Larger Information System

Includes information about:

Dr. Kassam

Surgery and Side Effects

Clinic Staff

Prescriptions

Could something like Clinic Chat work elsewhere?

We think so.

Designing the Experience Together

Patients, staff, and Dr. Kassam contribute to designing the experience

Wait time is an opportunity to interact with other patients, staff, and Dr. Kassam

The service extends the comfort of Dr. Kassam and his clinic and provides information, distraction, and an experience that is created together with the patients, which increases patient control

