

using wayfinding to create a reassuring presence

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This project was the third collaboration between NHS and GSA. The subject for this year was Endoscopy. An endoscopy is a procedure where the inside of the body is examined using an instrument called an endoscope. As it is both a procedure and an experience and involves a wide range of interconnecting relationships, we aim to explore, gain insights and propose design opportunities concerning patient journeys involving before, during and after endoscopy procedures.



The Royal Infirmary of Edinburgh





field & desk research

As one hospital dropped out towards the end, three people per group needed to stay in Glasgow to do desk research while the others headed to the hospital in Edinburgh to make their observations. I was part of the desk research team. We investigated different social research strategies, learnt about user journeys and browsed the internet for interesting studies concerning endoscopy.

We mapped all the information that we processed on the wall and presented it to the others. As the desk-research team, we noticed how it could be valuable for the field researchers to organise these two days of research prior going into the hospital. This way, a group of unorganised students making casual observations, could become a prepared research team, using different social research strategies.



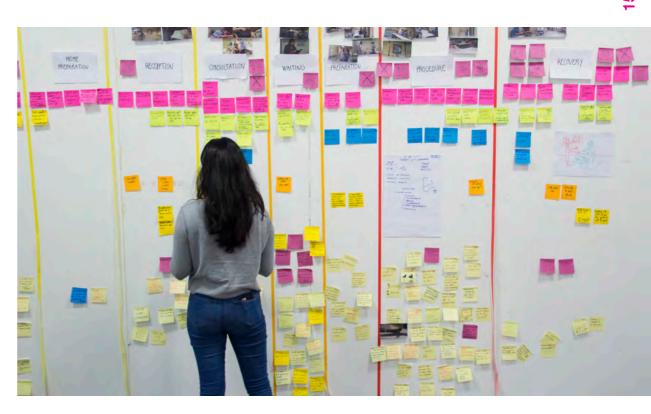


Everyone came back with a ton of observations that they wanted to discuss. But how to organise the info? We started off by making mindmaps with the different rooms being main themes. We quickly noticed the static character of paper, turning to post-it notes to increase flexibility.

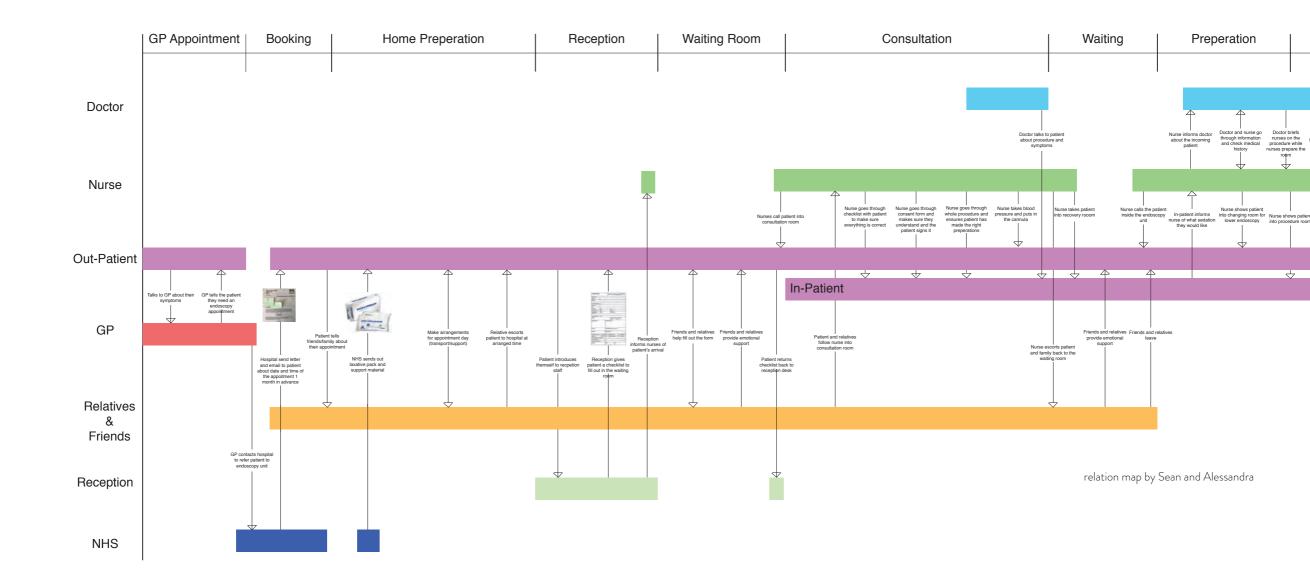


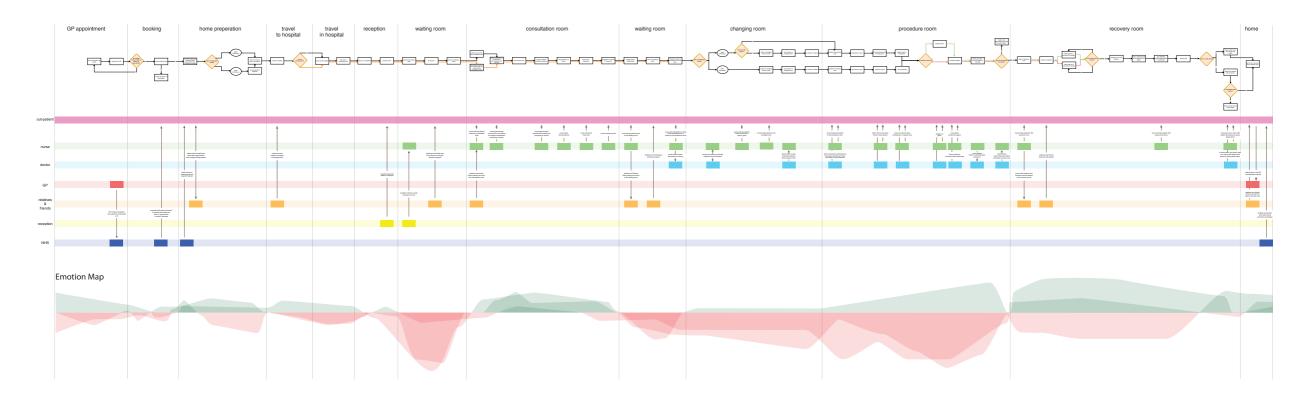
patient ourney

The pink post-it line represents every single step the patient undergoes during the complete endoscopy procedure, from the referral by the GP to back home. Other colours are other actors, like the nurses and doctors. Underneath the actions, we summarized our insights. Using post-its was great to start off but we rapidly decided we wanted one big data map where the patient is central, describing the different steps, mapping the relationships between different actors and adding an emotion line.



In a collaborative effort, I mapped the different steps in a flowchart, a tool which is mostly used by programmers to keep an overview of the different actions. This way, we could incorporate every single step without losing the overview. Simultaneously, two others made a relationmap that emphasized the different interactions between the actors involved in the endoscopy procedure. I brought the two maps together and later, an emotion line was added.





I thoroughly enjoyed the mapping experience as I had never mapped such a complicated environment. Although it is not perfect, nor was it used by many, it was the mapping itself which made me understand the procedure and its underlying relations. In our miniteam, we later used the map to define design opportunities.

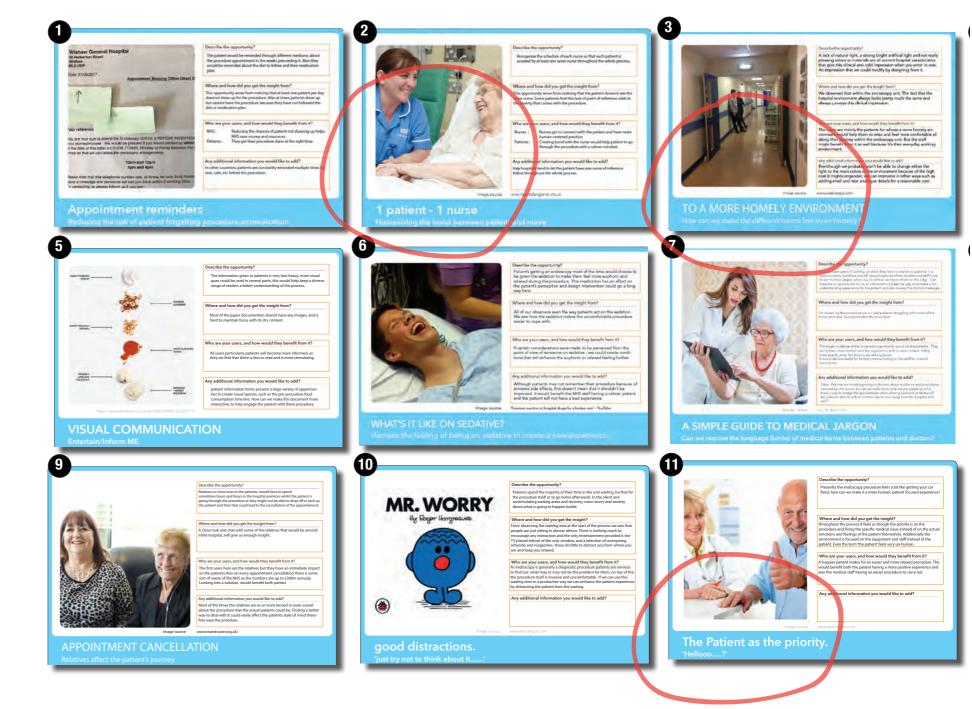
defining poortunities

Clustering insights and summarising them into concise and tangible cards, helped us defining a design direction. We managed to organise all of our insights in 12 themes. The benefit of the physical cards was the possibility to reorganise them. We analysed four umbrella themes which we divided among four groups.



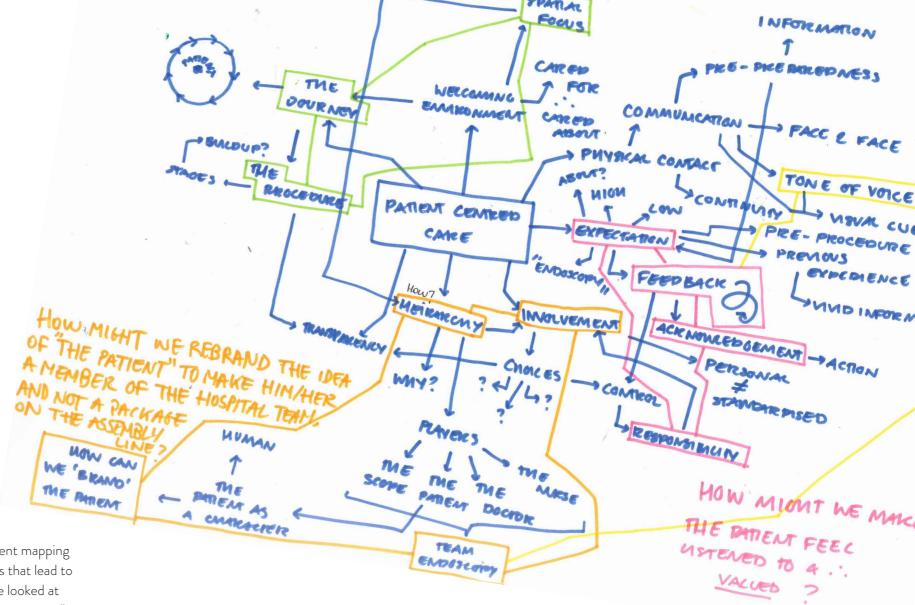


At this point in week two, the miniteams were born. Together with Alison and Tony, we decided to take on three opportunity cards and develop a mission statement from these. We realised we needed to constrain ourselves and define a more specific design challenge. But what do we want to spend the next four weeks on?

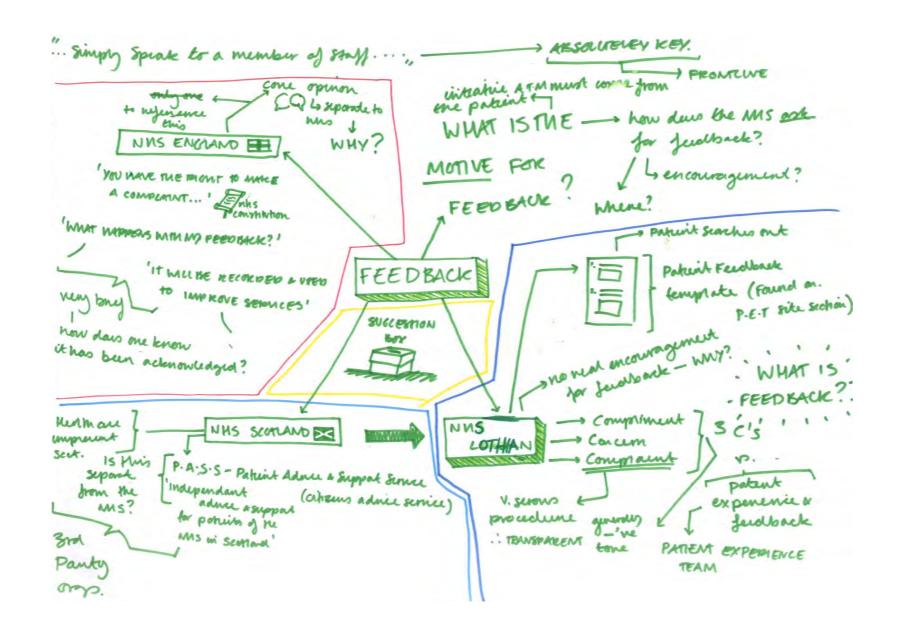


How might we place the patient at the heart of the process?

feedback

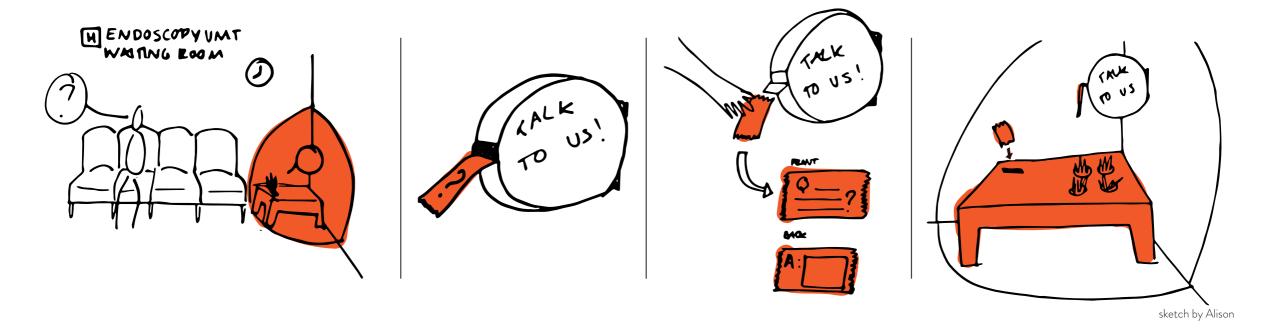


The following day, we spent mapping all the different elements that lead to patient centred care. We looked at things such as "patient expectation" and "patient involvement", discussed hierarchy and the "tone of voice" of the communication towards the patient. And what about feedback? We believed that by stimulating a feedback culture, we can make the patient feel valued.



For one morning, we screened the web, trying to figure out how the NHS deals with feedback. Also this time, we ended up with a mindmap to summarise our research. We noticed that the NHS seems to pretend to care about feedback, because they have to as a major instution, but don't really know how to deal with it. First of all, they weren't getting any feedback. And if so, it was a compliment to the nurse or a general complaint. The suggestions box in our endoscopy unit made room for the christmas tree so the last trace to feedback was erased. We decided to do something about that and developed three concepts to stimulate patients to give valuable feedback and therefore feel listened to.

Feedback Lottery



Giving feedback sounds boring from the start. The dry feedback forms with scary open questions don't really stimulate patients to tell the NHS how they feel. Therefore, we developed the feedback lottery, with questions formulated in bitesize bits on little tickets. The patient can rip a ticket from the roll, answer the question on the back and drop in the feedback station. The character of the questions gives the patient the opportunity to envision their own healthcare and simultaneously distracts anxious patients in the waiting room.

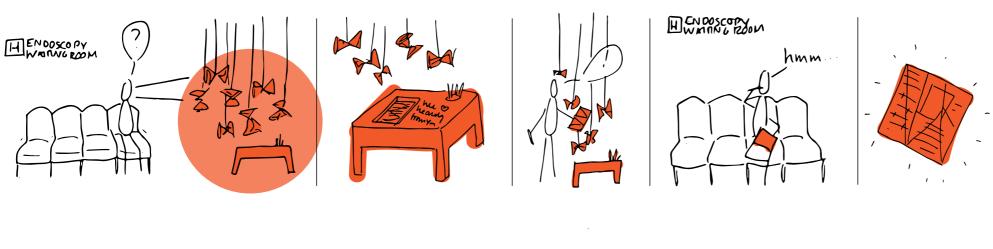


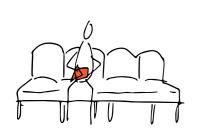
What are the reasons, despite the very low risk, that endoscopy is a feared procedure?

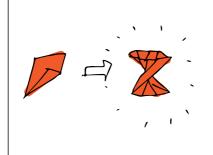
If you were given a 1000 pounds to invest in the waiting room, what would you improve?

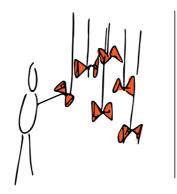
If you could choose your age forever, what age would you choose and why? If you could change something about the hospital building, what would it be and why? What is the nicest thing anyone of the hospital staff has done for you or said to you today?

Forms of Feedback







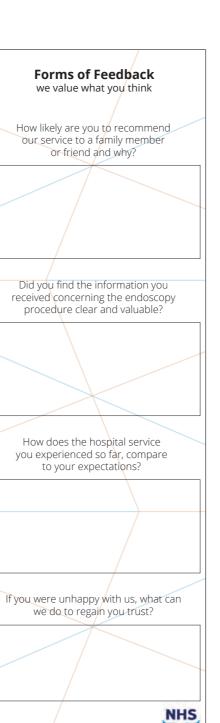




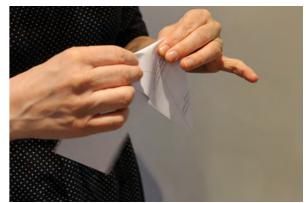
As we noticed that the suggestions box wasn't getting much care in the hospital, we thought of a way to exhibit and display other people's feedback. Through Forms of Feedback, the given forms can be folded into an abstract shape that afterwards can be hung up. By displaying other patient's stories, one might be enticed to write a feedback themselves to be able to fold the form and hang it up. Folding has a meditative character, can calm down and distract the patients during their wait.

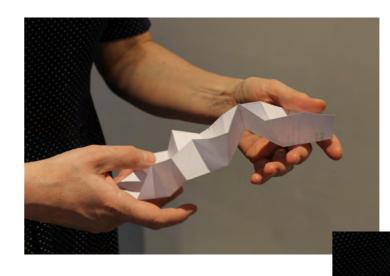
Forms of Feedback

Forms of Feedback we value what you think How likely are you to recommend our service to a family member or friend and why? Did you find the information you received concerning the endoscopy procedure clear and valuable? How does the hospital service you experienced so far, compare to your expectations? If you were unhappy with us, what can we do to regain you trust? NHS

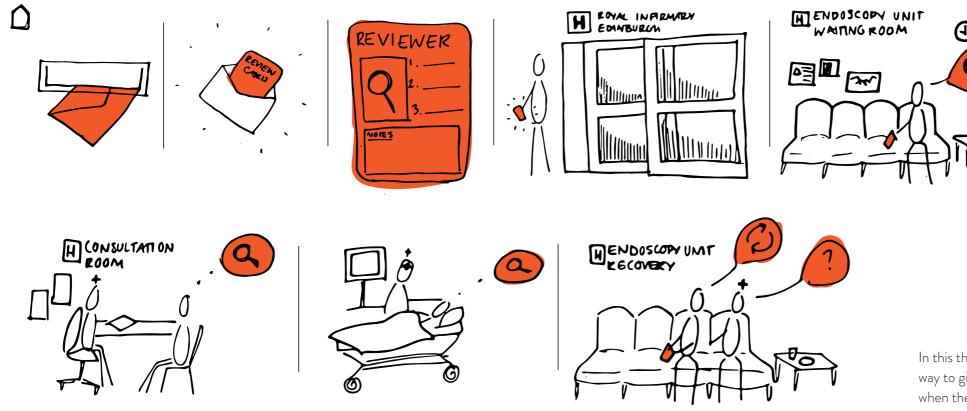








Patient = Reviewer



sketch by Alison

In this third concept, we thought about a way to give patients a "field of research" when they come to the hospital.

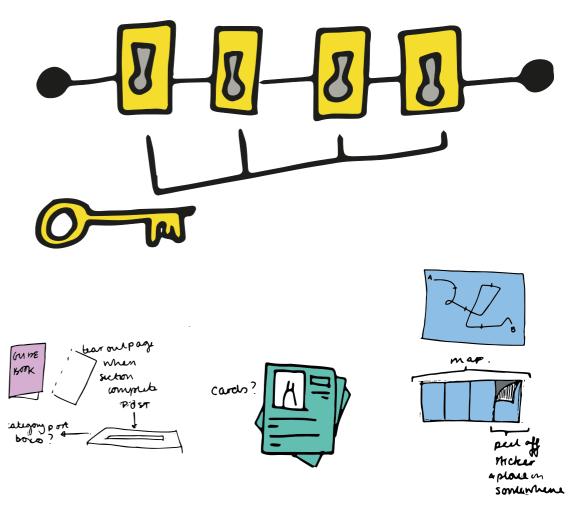
Through the mail, the patient would receive a reviewer card with specific questions referring to a specific period of time or area during the procedure.

After the procedure, one of the nurses sits down with the patient for a debrief, to listen to what the patient had discovered. This way, patients would feel involved and listened and it can serve as a good distraction from the procedure.



But is this really about feedback? Our concepts were all about form, and had very few to do with the actual content. We noticed we were scratching the surface and couldn't reach out to the more complex structures that are behind processing the feedback. Through conversation, we realised how the NHS actually receives a lot of feedback but has a hard time dealing with it. We decided to make a turnaround and define a new design challenge. This time with the patient central.

How can we create a reassuring sense of continuity through the endoscopy process, whilst also increasing focus and engagement?

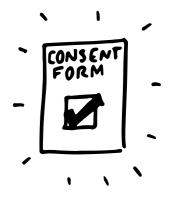


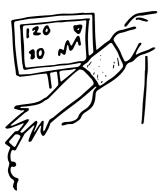








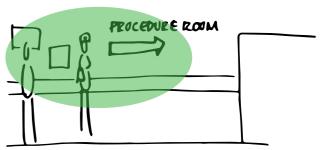




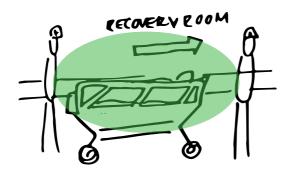








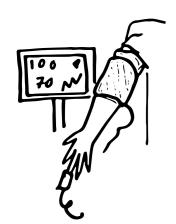






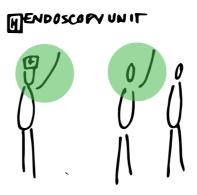






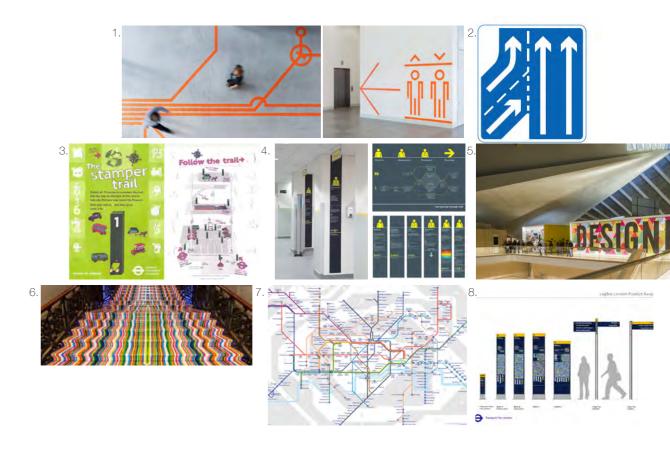






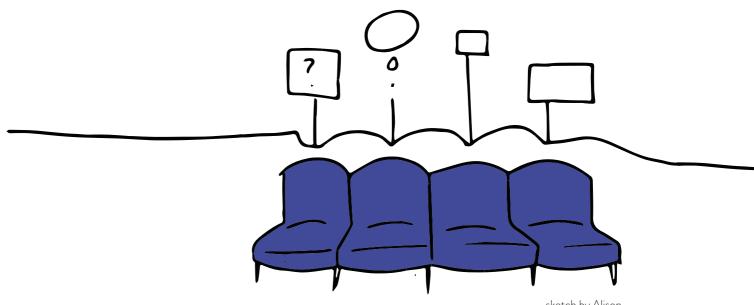
After another visit to the hospital, we drew out the patient journey, and highlighted the possibilities for intervention (in green). We saw these possibilities as multiple locks, and we wanted to give the patient the key. We thought of treasure maps and other pamflets. But why giving the patient more paper to carry if they have already so much stuff! Why not put the patient

A bright idea of Alison gave us a starting point. Wayfinding. As the patient is the only one which is continuous through the whole journey, we thought of giving that patient a compagnon. Wayfinding is used to facilitate navigation but also to give people a reassuring sense of continuity, as there is only one path the patient can follow, the actual wayfinding is in our case secondary. We looked at wayfinding in different situations. From the London Underground to the Design Musuem and other map systems.

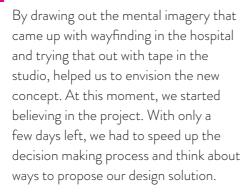


1. Here East Campus, dn&co, 2016, 2. British Road Signs, Margaret Calvert and Jock Kinneir 3. London Transport Museum 'stamper trail' 4. A Bette A&E, PearsonLloyd, 2012 5. Morag Myerscough, The Design Museum, 2016 6. Jim Lambie, RA Summer Exhibition, 2014 7. London Tube Map, TFL 8. Legible London map system, TFL, 2006

moodboard by Alison



sketch by Alison





We agreed on using only a single colour and defined 3 possibilities. First one is blue, a safe choice, within the corporate identity of the NHS. Second one is magenta, a bold choice that would truely stand out on the cream walls. And the third choice is orange, a colour that would blend in nicely with the walls. We went for the magenta, the bolder the better. As a font, we chose Brandon Grotesque, a friendly font that would fit the rounded corners of the speech bubbles.

C 0 M 50 Y 100 K 0	C 0 M 100 Y 0 K 0	C 85 M 50 Y 0 K 0



Brandon Grotesque Regular

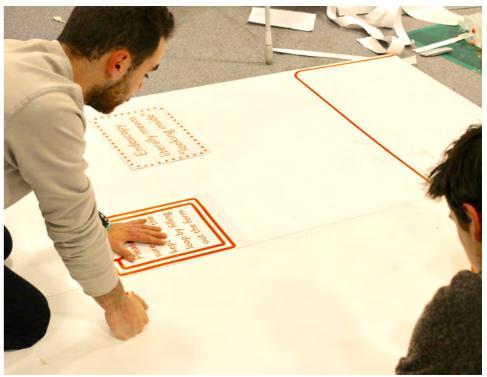
Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk Ll Mm Nn Oo Pp Qq Rr Ss Tt Uu Vv Ww Xx Yy Zz

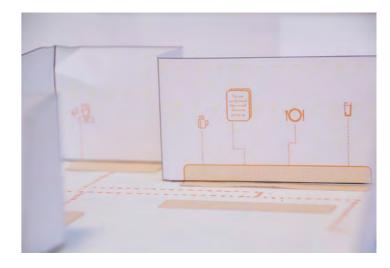
Thinking about Hans und Gretel, we decided to choose for a dotted line instead of dashed or straight line, as it pushes you forward. Inspired by the busker zones in London, we created a similar zone to emphasize the passive stations patients are in. Thinking about the doormat, we created a welcome sign. But what is going on the walls?

prototyping

One of the tools we used to understand our own project, was making a model on a scale of 1/50. This forced us to keep the overview on the journey and to decide where, when and how we wanted to intervene. In order to clearly communicate the concept, we decided to cut a lifesize model out of orange vynil and stick it onto white wooden boards. This would facilitate a conversation about implementation and cost.



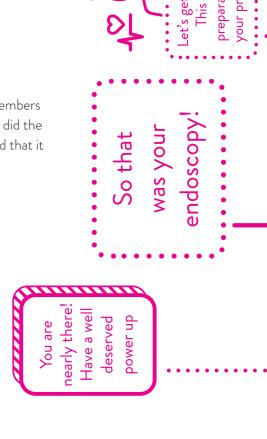






An important part of our project is the tone of voice in which information is shared. Out of our research, we noticed that reassuring interactions between patients and staff can be very meaningful but the message only arrives when the tone of voice is right. When a patient is anxious, some don't want to be told "You're alright...", when they are not. The style we chose for is what we call "empathetic firmness". Acknowledging the fact that it is a difficult procedure and that patients can be anxious, but empowering them to do it.

To choose this tone of voice is something that a team of staffmembers of the unit need to agree on. We did the exercise for ourselves but realised that it could be different for each unit.

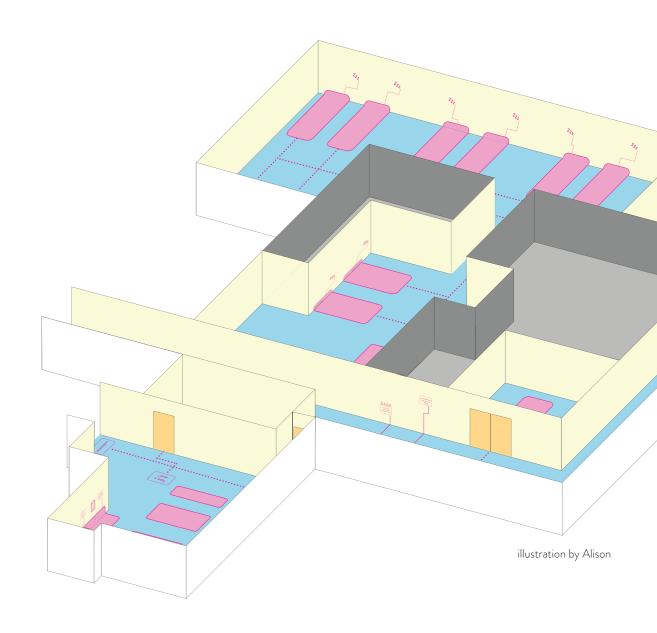


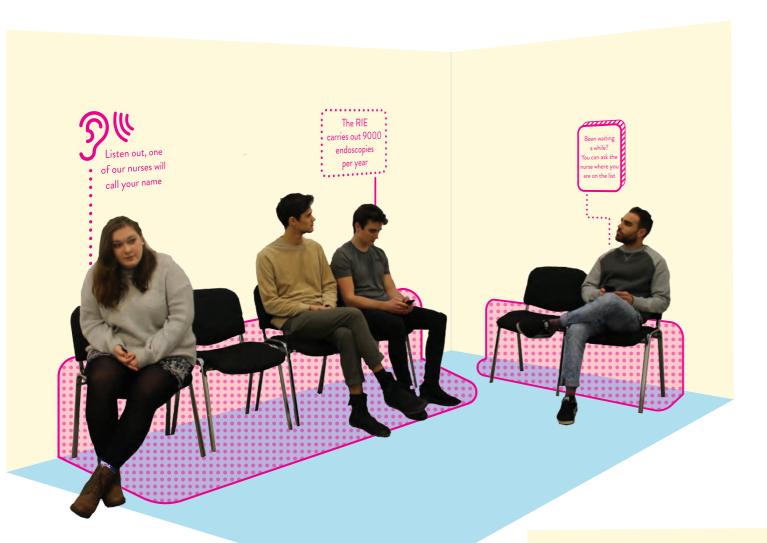
 Z_{Z_2}

consent form



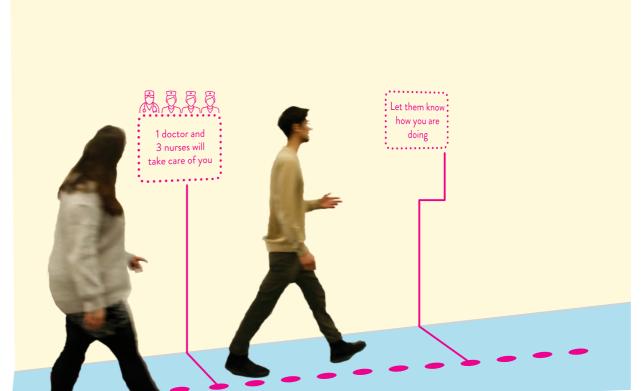
Besides the life-scale models, we thought of a way to take our viewers through the whole journey. Therefore, we created scenarios in which we reenacted a setting in the hospital and added illustrations of our wayfinding concept. Besides that, an illustration of the floorplan from above was made, to give people a feel for the complete journey.





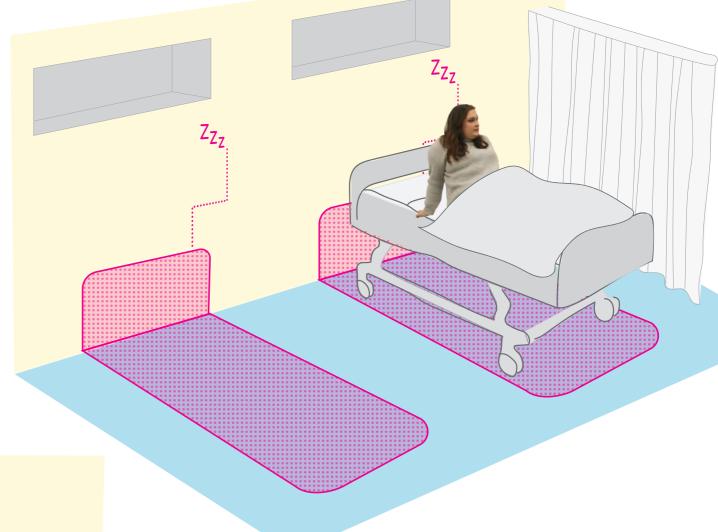
This image is portraying the waiting room. We chose for two different kinds of information to share on the walls. First, we created reassuring information about the endoscopy journey, and second, carefully selected facts about the local unit to inform and distract the patient.

Here we are on the way to the procedure room where in the hallway, we come across reassuring information about the procedure and remind the patient that they can let the doctor and nurses know how they are doing.



In this scenario, the patient is in the bed in the procedure room. The coloured zone highlights the passive station and reassures the patient that they can have a rest here.





We are still in the recovery room but after the rest, when the patients eat for the first time in the day. Again, the icons and sign highlight that they should sit back, relax and enjoy their well deserved meal.

reflection

I have learned a lot during this project. It was nice to work in a real-life setting with real people from a real hospital. It made me realise there is work for designers in the public sector and even convinced me that this might be a direction I want to take in the future.

It was a true pleasure to work with Alison. With her great commitment, she would sense if something is within my comfort-zone and push me (and herself) beyond that point. Leading to a project I feel proud of.

Although it is said to be a collaborative project, it didn't really feel like that. NHS was the client and we were the designers. I think there is opportunity to organise co-creation workshops instead of presentations, causing dialogue instead of a monologue coming from our side. In an ideal world, I wished that it was a more interdisciplenary project, involving people with different professional backgrounds.

After we split up in mini-teams, I often organised get-togethers to maintain the communication within the bigger group. As competition vibes can get strong in GSA, I saw it as important to listen to other teams. In the fourth week, Lisa and I pursued the group to do an exhibition instead of a classic presentation in the cinema room. It was a really last minute turnaround but eventually, people were happy with the change. During that moment, I realised that this is something I learned in KISD, to take initiative. As the project was so densily organised, we produced a lot material.

This project polished my curiosity towards more complex systems within such big organisations. How would it be to redesign the waiting times in hospitals?

Have a safe journey home!