Attachment

$oldsymbol{re}$ | HABIT

"BACK TO THE FAMILIAR"

Rehabilitation experience design for stroke patients with hand impairment

Interaction Design, Zurich University of the Arts BA Context Inquiry, 6th Semester, 2011

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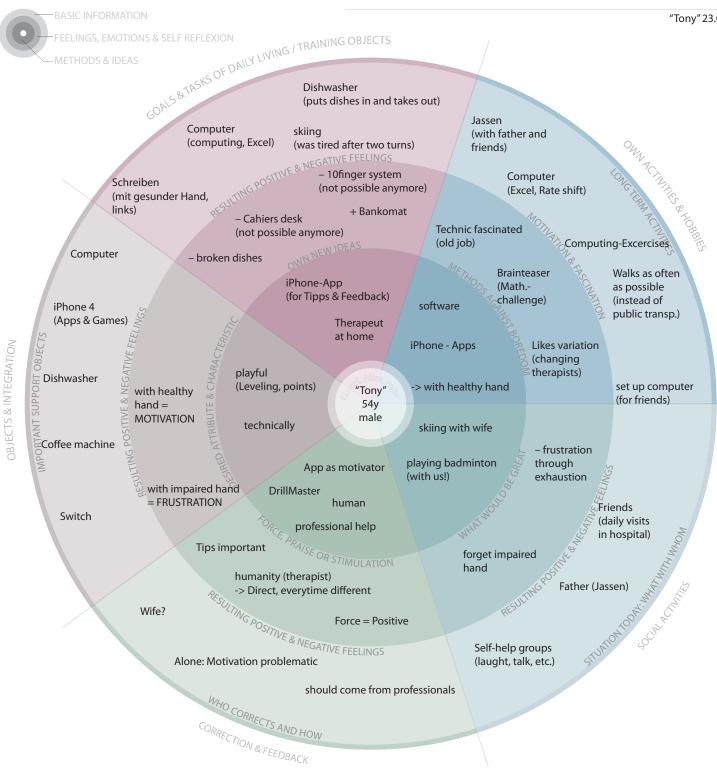
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Z

hdk

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STRUCTURE OF THE WEEK

	MON	TUE	WED	THU	FRY	SAT	SUN
EVENING		return trip		1x Mtl. Self-help groups	hopping	uo	
	Work for Fragile	Jassen (father)	Work for Fragile		Whole day: housekeeping and shopping	Family-excursion Visit frieds	Leisure time
MORING		Arrive		Therapy - Physio - Ergo	Whole day: housekeep	Fam Visi	Leis

Afraid to do fail with impaired hand. Pressure of time (everything goes to fast). Bodily exhaustion. Impaired hand is his drop a clanger (Fettnäpfchen).

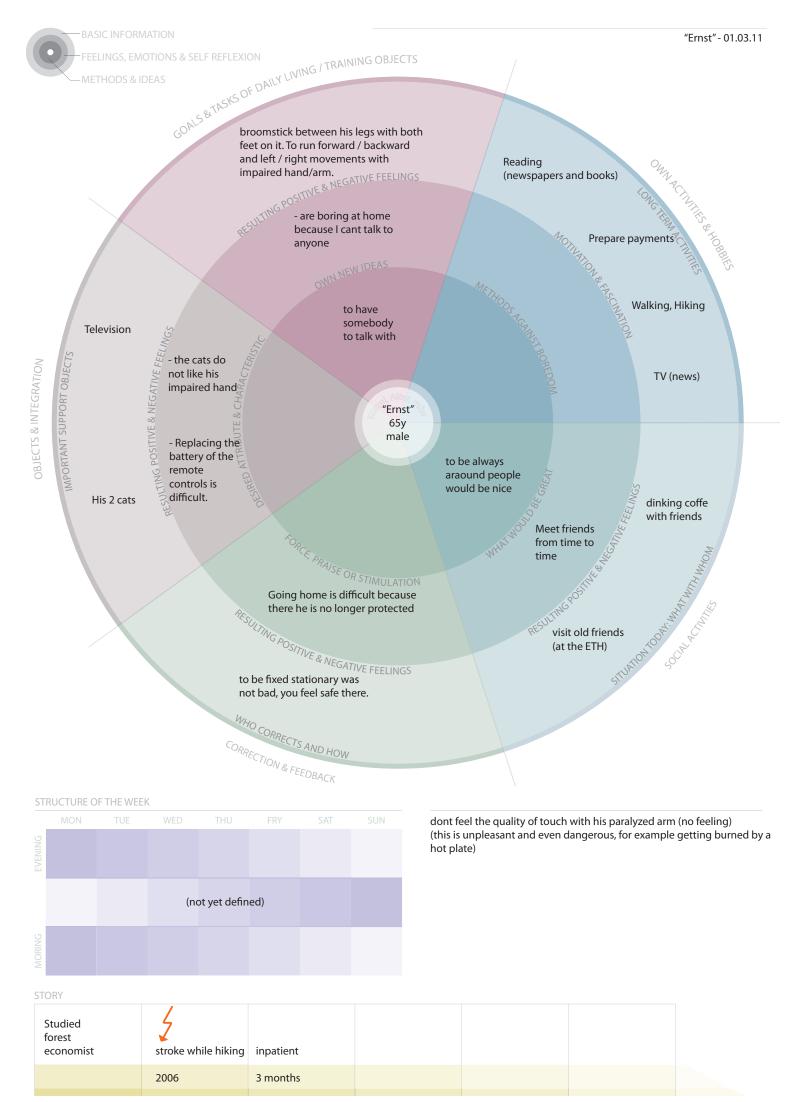
Difficult to find people with the same restrictions and similar interests (eg hobbies)

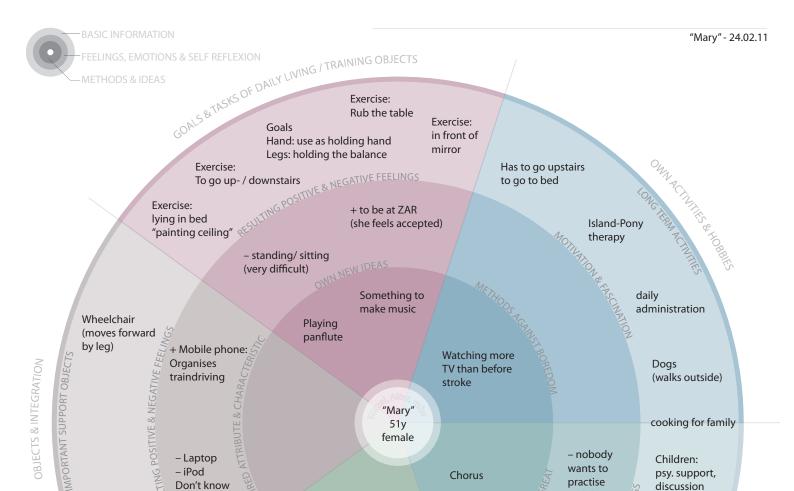
Learn as a child, but not more "sweet" and a much slower progress!

Fun secondary: coercion (drill) is important

Home: Control & professional feedback essential

Electro- engineer	left impaired	intensive station	Therapy Zihlschlacht	@ home	therapy	20% work
	5.5.2004	18 days	3.5 Mt.	1.5 Mt.	1 Mt.	





Her husband

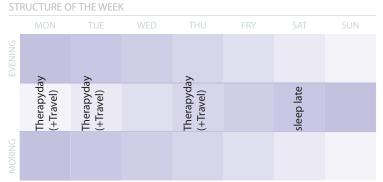
motivates her

RESULTING POSITIVE & NEGATIVE FEELINGS

relatives and therapists

WHO CORRECTS AND HOW CORRECTION & FEEDBACK

Chorus



Laptop

Don't know

how to interact

– iPod

with

Adhesive foil,

for to cook

board with nails

As we met her, she asked if somebody can bump her wheelchair. She ordered a tea and opened the tea bag with help of her healthy hand and her mouth.

- nobody

wants to

practise

with her

Responsibility

- Can do less with her husband

> ZAR: Likes to wait with other patients

> > Support

Children:

discussion

Walking with

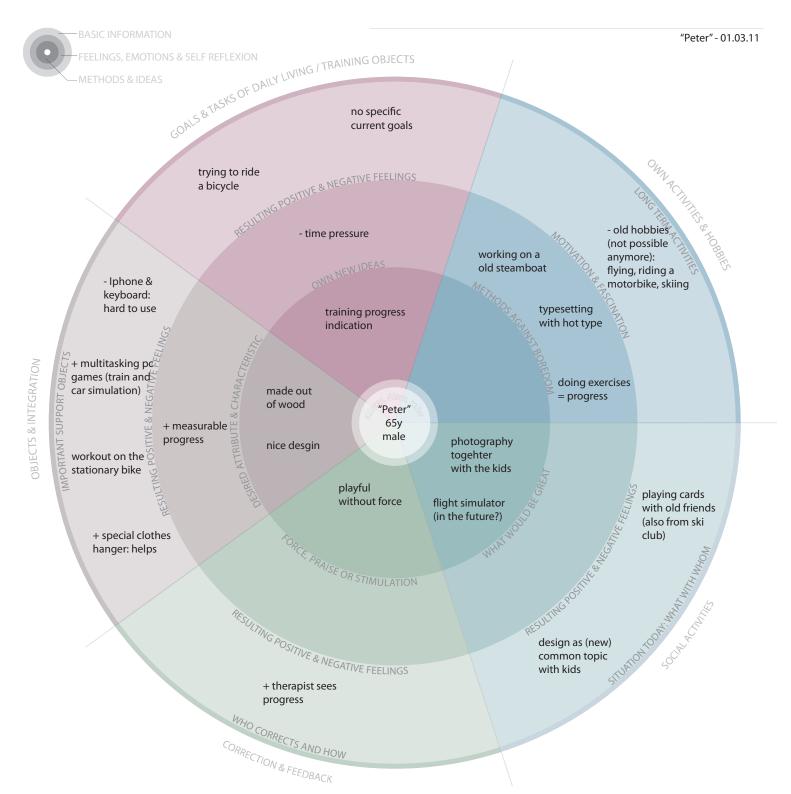
Husband helps

to go to bed

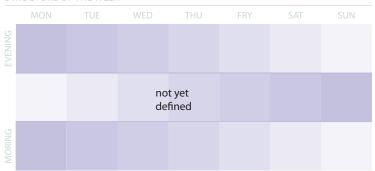
eldest daughter

psy. support,

Social environment: husband (100% worker), son, 3 daughters, 3 dogs.







Usage of both hands for gestures and interacting with objects (e.g. wallet) "Why has this happend to me? I lived more or less healthy."

for 25 years own urology practice	/ strong impairement 7 on left side during an operation	rehabilitation clinic in Tschugg	back to the practice (not feasible)	at home but ongo ing physical & occupational therapy	after training & test: admission to drive
	14.04.2008	3,5 months	1 month		



+ three wheeler recumbent bicycle

+no modifications (normal bike, only brake on the other side)

MPORTANT SUPPORT OBJECTS

OBJECTS & INTEGRATION

maybe a game but not to easy & short

"Steve" playful without 39y any force male

> "let it happen dont force yourself"

PRAISE OR STIMULATION therapy progress often after the weekend at suprisea,

SULTING POSITIVE & NEGATIVE FEELINGS

hard as they used to

WHO CORRECTS AND HOW CORRECTION & FEEDBACK

EDV (e.g. Excel) if possible for his eyes

used to travel around CA with his wife

Motorracing, CA,

bicycle tours

with the family

Icehockey, USA)

- can't always meet the kids playing football standards (due to with his kids balance and multitasking impairment)

the kids/family

+ together with

playing chess in a club

STRUCTURE OF THE WEEK

	MON	TUE	WED	THU	FRY	SAT	SUN
EVENING	2h office work in workshop						
		_					
MORING	Ih occu- oational :herapy	1h physica :herapy	2h office work in workshop	2h office work in workshop	2h office work in workshop		

Strong usage of both hands for gestures.

STORY

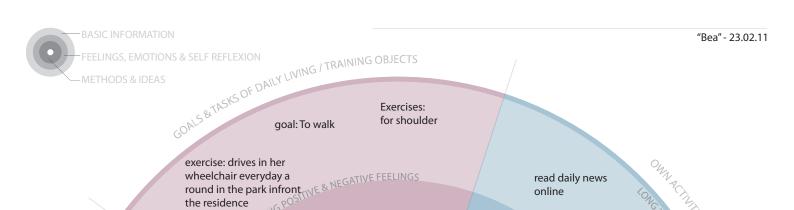
job as left side impairment cabinetmaker & strabismus 02.02.2004

rehabilitation clinic in Zielschlacht 3,5 months

physical & occupational therapy 2x/week

1 year

2 strabismus operations



"Bea"

67y

female

incitation

Comparison from

actual state with state

Feedback of PRAISE OR STIMULATION

MOLING POSITIVE & NEGATIVE FEELINGS

attendant

WHO CORRECTS AND HOW CORRECTION & FEEDBACK

or bad

Tasks integrated in

watches podcast

daystructure

Therapy

Listen to sound

every movement is very helpful

missing motivation for

Daily variation important

hometasks

Arthouse visit with friends

Dictation of

mailing

likes to remind at life before stroke

Discussions

with employees



wheelchair

macBook

environment

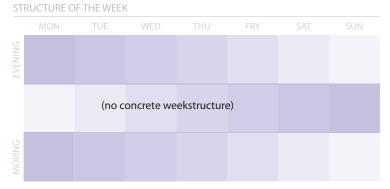
loaded with

positive

feedback

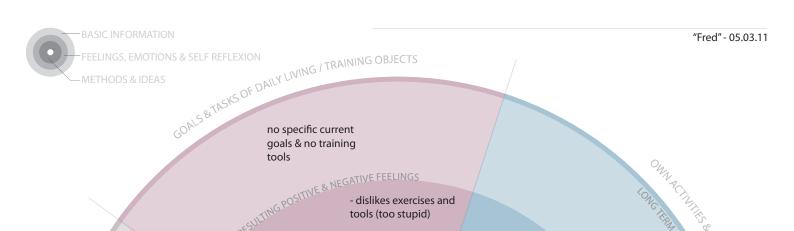
IMPORTANT SUPPORT OBJECTS

OBJECTS & INTEGRATION



life after stroke is like a rebirth. She is very curious and through that impatient. Just three months after stationary rehabilitation she realized the consequences about her stroke. She couldn't sense then the whole environment on her impaired side. During the whole week there are many entertainment choices in nursing home.

executive assistant	pension	left d	zihlschlacht	therapy inhouse	
		06.2009	3 months	1x per week	



experimental music

"Fred"

60y

male

correction and

listening to

loud music

reading good

Martin Suter)

novels (e.g. from

3h every week:

group work &

leisure time)

instrument

needed features:

always at hand,

no "therapy

sarcasm"

feeling of

a moron

treated like

small, easy to store

and inconspicuous

little

PRAISE OR STIMULATION

experience with clinic staff (e.g. allegation of

very frustrating

Hemispatial neglect under property lack of interest in therapy)

NEGATIVE FEELINGS

corrections from family members can help, but can also be frustrating

WHO CORRECTS AND HOW CORRECTION & FEEDBACK

going for a walk is best with

a bench to rest & a smoke in

STRUCTURE OF THE WEEK

- dislikes

clunky)

crane to

support

walking

IMPORTANT SUPPORT OBJECTS

OBJECTS & INTEGRATION

supportive

kitchen tools

(too big and

	MON	TUE	WED	THU	FRY	SAT	SUN
EVENING	3h "FragileTreff- punkt" (group workl & leisure)		1h physical therapy				
	3h "Fra punkt" workl {						
MORING							

No usage of both hands, long pauses by talking and impairt and slow walk.

music (listening) and now singing):2

jazz, funk, blues

not intressted

- playing games with the family:

not often, not

singing with

former band

members

enough

patience

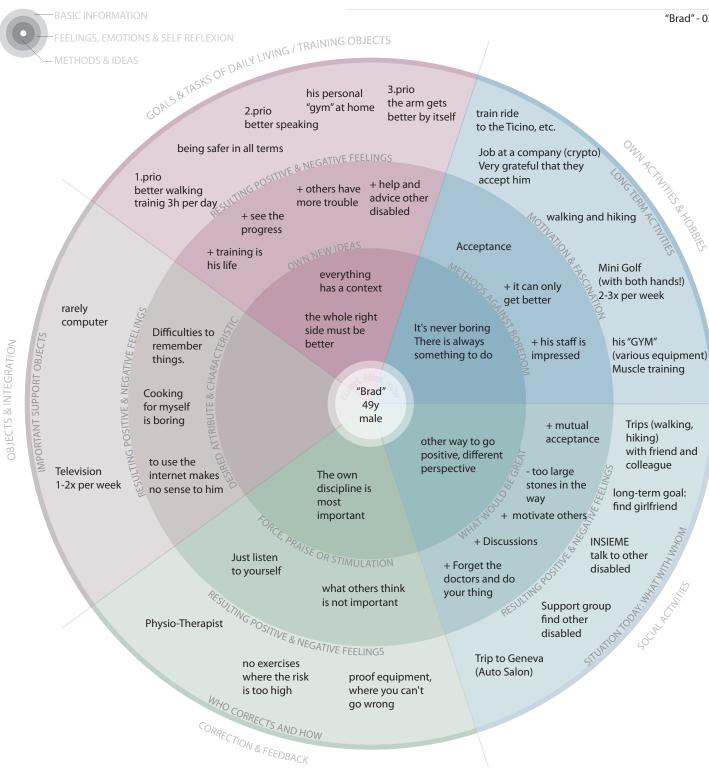
- frustrationg to be

unable to play

saxophone

in games

practice as in family ne	left side impairment	rehabilitation clinic in Valens	short try at home but back to Valens	Rehabilitation in a supervised flatshare in Vallen- stadt	back home: physical therapy
	02.02.2004	2 to 3 months	(unknown time- frame)	1 year	1x/week



STRUCTURE OF THE WEEK

	MON	TUE	WED	THU	FRY	SAT	SUN
EVENING		workout in the "gym"		workout in the "gym"		workout in the "gym"	ng to SIEME"
	therapy	₹ <		> ±		> ₽	every Sunday going to Zurich to the "INSIEME"
MORING	work	work	work	work	work		every S Zurich

The left brain damaged to 50%. He has a contagious positive energy!

His will to walk again was very strong. Be positive and never give up. Learning to speak again -> be consistent.

It always relates to the whole. I want this and achieve it (be realistic). Important to set him motivated: "I go every day in every way better and better!"

CTO	DV/	
S I ()	RY	

KV made. 2 months worked at accounting firm.	Heavy traffic accident	clinically dead for	coma	1 year to learn to walk 10 years to learn to speak 30 years for his arm & hand
	12.08.1981	10 days	4 mt's	