

### Anesthesia doctors

- 18 specialists
- Head chief, 6 department head chiefs, 11 specialist
- 6 assistants (trainees in anesthesia), usually 2 years
- 3-4 doctors in vacation every week
- 2 on duty every day
- At Work 18doctors / day
- Central operating department 14 op. theatres Ambulatory clinic 9 op.theatres ICU 8 beds

- Painclinic
- Preanesthesia policlinic
- Education and training
- Eveclinic 3 op. theatres
- Inside hospital (Emergency, labour 60% epid/spin, CCU, observation unit, ward departmets, RTG, ...)

  Transportation to University hospitals
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### Nursing personel in the department of anestesia, operation and intensive care

- · Head chief anesthesiologist is in charge of all subunits
- Central operating unit; Jour 24 hours 7 days a week
  - 5 Nurse managers, 105 nurses
- Daysurgery / Ambulatory unit 3 Nurse managers, 42 nurses
- Critical care unit
  - 2 Nurse managers, 33 nurses
- Pain policlinic
  - 2 nurses

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# A prototypical ambulatory surgical unit can have four basic designs

- Hospital integrated: Ambulatory surgical patients are managed in the same surgery facility as inpatients. Outpatients may have separate preoperative preparation and second-stage recovery areas.
- 2. Hospital based: A separate ambulatory surgical facility within a hospital handles only outpatients.
  - Freestanding. These surgical and diagnostic facilities may be associated with hospitals but are housed in separate buildings that share no space or patient care functions. Preoperative evaluation, surgical care, and recovery occur within this unit.
- 4. Office based: These operating or diagnostic suites (or both) are managed in conjunction with physicians' offices for the convenience of patients and health care providers.





### Ambulatory (DS) clinic

- Preoperative preparation and examination rooms
- 9 operating theatres
  - 3 orthopedics (children)
  - 3 surgery (gastro, urology, vascular, plastic)
  - 1 gynecologic
  - 1 ENT ear nose throat
  - 1 dentistry
- 2 recovery rooms á 10 patients
- 2<sup>nd</sup> phase recovery room
- Childrens line: waiting room, recovery and 2<sup>nd</sup> phase recovery rooms



### Operative doctors in DS about 35-40 / week

- 5 anesthesiologists daily
  - 3 seniors (consultants)
  - 2 trainees (specializing)
  - Anesthesia nurses all time available in OR's and 1st phase recovery
  - 2 (-3) OR:s per anesthesiologist when adults
  - 1 OR:s per anesthesiologist when children
- Orthopedists, GI-surgeons, vascular surgeons, urologists, childrens surgeon, plasticsurgeon, Trainee-surgeons
- **ENT- surgeons**
- Gynegologists
- Dentists

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# Way to give anesthesia in DS

- Germany and Spain: doctor give and maintain;
  - 1 doctor per op. room
- · Sweden: doctor orders, nurse gives and maintains anesthesia if ASA 1-2;
  - 1 doctor per 4-5 op. rooms
- · Finland: doctor starts and ends, nurse maintains;
  - doctor per 2-3 op. rooms when adults
  - doctor always present at op. room when children

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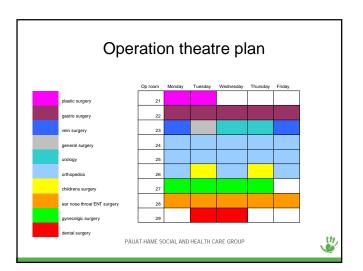
### **Nursing personnel**

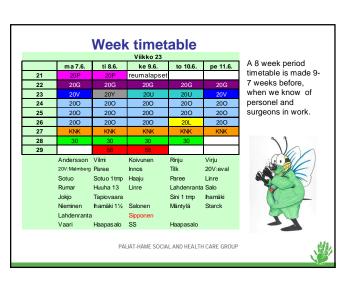
- Planned for 8 operative theatres
- Pre- and postoperative nurses
- Anesthesia nurses
- Intrumentational nurses
- subspecialised groups
- Some nurses are multidimensional

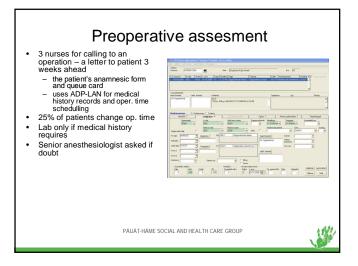


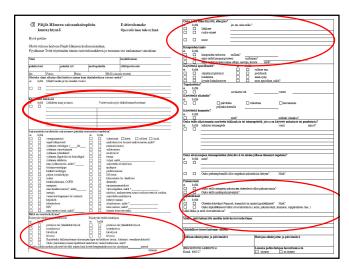


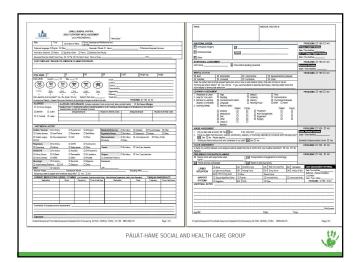


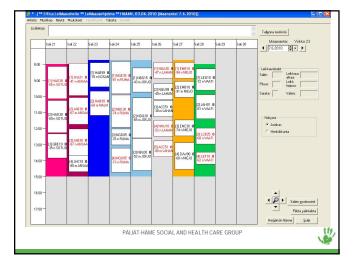












# The patients path

- Patients get the invitation, a map and the date and time for phonecalling
- Patient calls 1 week ahead check up -
  - - 1 nurse 20-30 calls / day
- Some patients come here a week before, to meet the operating doctor, the nurse and the physiotherapist (kneejoint, shoulderpatients)
- All patients will be well informed before the operation

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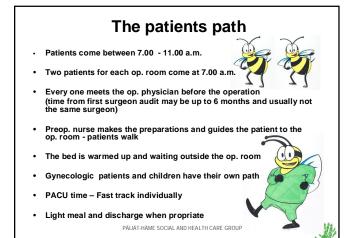


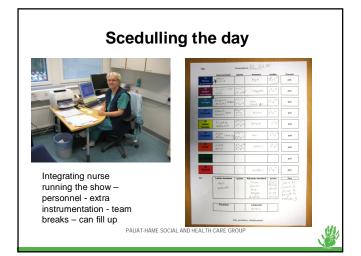
### **Functioning**

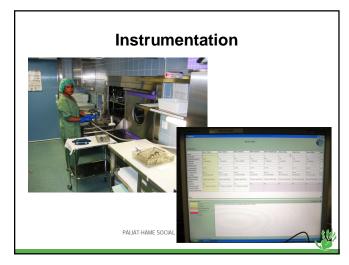
- Open hours 7.00 –19.00 Secretary register change of clothes 83,90€ patient bill, municipalities pay total cost
- (30,30€/day if inpatient)
- Preop.nurses 3-4

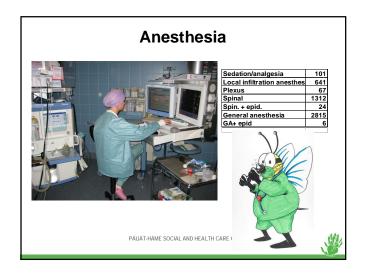


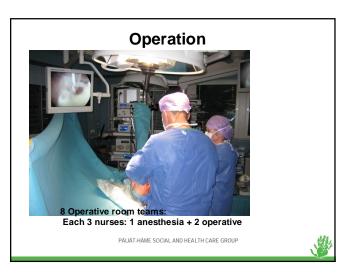
# The patients path Oddustila PAUAT-HAME SOCIAL AND HEALTH CARE GROUP







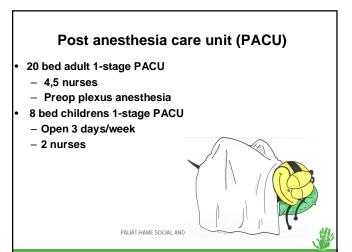




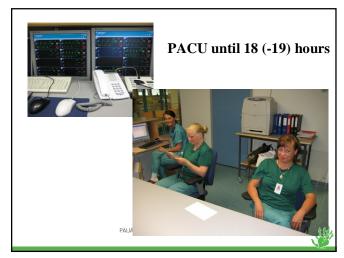












# **Discharge**

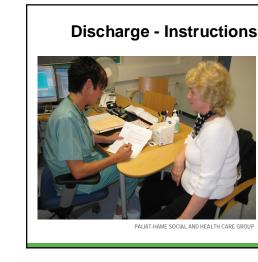
- Adult 2-stage recovery area + discharge
  - 2 postoperative nurses
  - 11-19 hours

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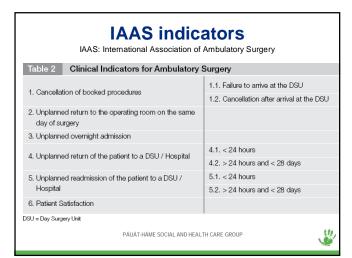




# Light meal PAUAT-HAME SOCIAL AND HEALTH CARE GROUP









### DS by numbers

Vuosi	2005	2006	2007	2008	2009
Patients	4766	4850	5119	5126	4866
Patients per month	312 - 561	318 - 533	359 - 609	333 - 564	335 - 526
Same day cancellations	258 = 5,2%	351 = 6,9%	354 = 6,6%	335 = 6,2%	236 = 4,6%
Same day cancellations per month	12 - 14	23 - 53	20 - 61	9 - 41	16 - 29
To ward	259 = 5.5%	217 = 4.7%	223 = 4.5%	147 = 3.0% *	102 = 2.2%
To ward per month	13 - 35	8 - 34	14 - 27	7 - 24	4 - 15

\*Renewall of statistic system, emphasizing social patients in advance

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# **Same Day Cancelled patients**

	2005	2006	2007	2008	2009
No good for anesthesia	4	6	25	17	23
Lack of time	4	0	2	2	3
No nurse	14	18	3	10	10
No fit for operation	45	57	65	59	38
No need	57	86	57	80	64
Blood clotting problems (warfarin)	0	1	0	3	0
Surgeon has no time	0	0	2	2	1
No surgeon (sick)	6	12	17	17	6
Change in op plan	28	24	27	20	18
Need of extra investigations	4	14	12	12	21
Patient didn't come	24	27	25	33	21
Patient cancelled	22	22	20	20	5
Patient sick	48	82	98	57	26
Lack of instrumentation	1	1	1	2	0
Antibodies in blood	1	1	0	1	0
Total	258	351	354	335	236

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# Reason for transfer to ward

	2005	2006	2007	2008	2009
01 Pain	48	32	48	25	15
02 Ponv	32	22	5	6	3
03 Bleeding	26	23	18	17	13
04 Change in operation	8	13	18	21	16
05 Operat. Late	23	15	9	6	1
06 Weakness	50	32	27	10	9
07 Social	21	26	44	21	6
08 Other	51	54	54	41	39
total	259	217	223	147	102
%	5,5	4,7	4,6	3	2,2

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# Postoperative follow up

- Patients can call up to 3 days after operation
- No systemical calls next morning or a week later no personnel
- When new patient groups involved or a change in treatment periodic calls
- Every patient can give a internet or paper feedback
- If transfer to ward form to get feedback
- If patient contacts at nigth Emergency outpatient unit (ER) form to get feedback
- Follow up of patient satisfaction 2005 (225 pat)
- 2007 National DS follow-up survey (190 pat)



