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# SCEDAS<sup>®</sup>.healthcare

Unlock efficiency in surgical scheduling

The coordination of surgeries in hospitals is a complex task, as many processes are interdependent and must constantly be rescheduled due to incoming emergencies, delays or staff shortages.

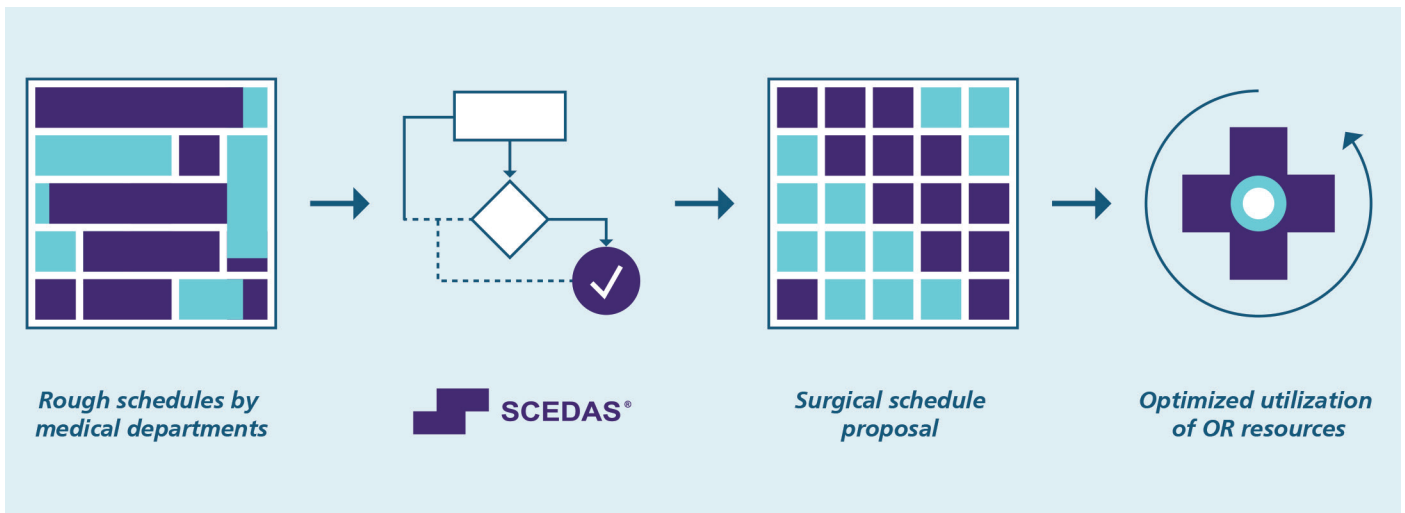
SCEDAS<sup>®</sup> calculates an optimal schedule under the current conditions at the click of a button. It considers the specific characteristics of operation room (OR) coordination and is individually tailored to the respective hospital. This improves the quality of planning, identifies free OR capacities at an early stage and significantly simplifies the coordination task.

## Advantages

- Simplified planning due to automated OR schedules
- Adherence to schedules and less overtime for surgical staff
- Optimized utilization of OR resources
- Faster response times for clinical emergencies

**SCEDAS<sup>®</sup> takes care of the planning so that doctors can take care of the patients.**

in cooperation with



### Starting point

Surgical scheduling is a complex planning task with constantly changing requirements. It must take into account a variety of influences, such as

- Staff availability, shift schedules
- Availability of operating theaters: room occupancy, duration of surgery
- Overworked and tired staff
- Incoming emergencies
- Delays in schedule
- Anesthesia capacities, intensive care unit, bed occupancy, ...

This requires a high degree of flexibility and often extremely fast rescheduling.

### OR coordination – a complex planning task

The task of OR coordinators is to create a time and cost efficient daily schedule. To do this, as many pre- and post-operative activities as possible are moved from the operating theater to adjacent rooms. This leads to a very complex planning task. In addition, while working on patients, there is a constant need to react to incoming emergencies, delays or short-term absences. This not only results in a high manual planning effort, but also leads to suboptimal utilization of resources.

### SCEDAS® – surgical scheduling at the click of button

SCEDAS® determines the optimal use of rooms, an appropriate distribution of medical equipment and a stable distribution of surgical staff. The surgical schedule can be adjusted at the click of a button in the event of incoming emergencies and delays. The planning algorithms consider the specific characteristics of OR coordination and are customized to the specific conditions at each hospital.

### Added value for the entire hospital

SCEDAS® facilitates the work of OR coordinators and frees up valuable time for medical activities. The software also increases employee satisfaction through greater planning reliability and less overtime. SCEDAS® ensures optimal utilization of surgical resources by efficiently scheduling costly time in operating rooms and identifying free capacity for new operations at an early stage. This saves unnecessary costs and waiting times. Finally, SCEDAS® improves the ability to respond to clinical emergencies.

### Mathematical optimization meets hospital expertise

SCEDAS® is characterized by three features: Firstly, the ability to create a new plan under the given conditions at the click of a button. Manual planning is still possible, but no longer necessary. Secondly, the proven planning algorithms, which have been in use for many years for personnel planning in various areas of shipping and have achieved very good results there. And thirdly, we have many years of experience in working with hospitals, which means we can adapt the algorithms to the working conditions and processes in the hospital.

### Our offer

Every hospital faces individual challenges in OR management. For some, the bottleneck lies in anesthesia capacities, for others in coordination with the wards or Intensive Care Units (ICU) and for others there is potential for optimization in unused OR capacities. To provide targeted decision support, we can customize SCEDAS® to the individual challenge in each hospital. SCEDAS® can be used directly as support for the existing information system in the hospital. It is also possible to integrate the SCEDAS® intelligence into own OR management solutions. We would be happy to show a demo and discuss how SCEDAS® can provide support.

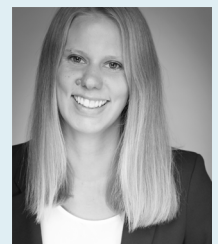
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