



Reference report

about the Hannover medical school (MHH)

Digital dictations – The Hannover Medical School diagnoses improved efficiency thanks to digital systems from Grundig Business Systems



The Hannover Medical School campus covers an area of more than 400,000 square metres. The Central Clinic is surrounded by the Clinic for Paediatrics, the Centre for Gynaecology and Obstetrics, the Clinic for Dentistry and Orthodontics as well as research laboratories and teaching facilities, the library, residences and recreational facilities. Since January 1st, 2006, the department for Plastic, Chiroplastic and Restorative Surgery has also been located on the MHH campus. As the MHH is an academic institution it looks to work with the latest state of the art technology to deliver the most efficient treatment for patients. This includes the use of digital dictation systems from Grundig Business Systems to secure improved workflow when it comes to the creation of medical reports and other documents.



The frame conditions

Based on the requests from the surgical ward the MHH has been using digital dictation systems systematically since the year 2001. Decisive factors in this choice were the high compression rates of files and their easy transfer via USB interface. Other wards also chose this technology when they saw for themselves its successful use in the surgical ward. Mobile digital dictation machines have been used from day one as well as desktop systems featuring DigtaProfessional software solutions. Currently, the MHH is using about 360 digital dictation devices, comprising 300 mobile machines and about 60 transcription and correction workstations.

According to Stefan Schmidt, project manager of the MHH: "It was not only the small file format – as digital dictations are compressed to 1/12 of their size via the .dss standard, minimizing the amount of data - which convinced us of the Grundig Business Systems solution, but also the huge time savings on offer – we can avoid all the problems associated with cassette tapes and the speed and flexibility of editing is much improved."

Just in time

With the introduction of the digital dictation systems, the MHH's central word processing was also improved courtesy of the Grundig dictation software; the transcription of dictated files is now done directly into the hospital system.

Thanks to the digital technology the MHH's document workflow has been speeded up considerably. The user can create and edit diagnostic findings, medical opinions and reports at any time. A broad range of functions like the insertion of information accompanying the dictation, deletion or insertion of text passages or the dictation transfer by means of the dialog window are available via a simple mouse click.

Digital dictations combined with improved workflow organization have resulted in considerable time savings. Moreover, patients in some campus hospitals of the MHH get their diagnostic findings within 20 minutes of their doctors' consultation.

Efficient processing beyond the hospital boundaries

No more interoffice mail, no more dispatch rides, no information loss – another benefit of digital speech processing is the effortless integration of transcription workstations outside the MHH. Ten typists of the central data processing department now work at home. It's possible at any time to trace when the dictation was transferred, typed and sent back.



Conclusion

Key user features such as easy index creation, high sound quality and the ability to adapt to existing organization structures combined to convince the Hannover medical school of this leading-edge technology.

The customer

The Hannover Medical School (MHH) is a facility of the German country of Lower Saxony. As an academic institution the following watchword was chosen to express its commitment to its ideals and goals: In necessariis unitas, in dubiis libertas, in omnibus caritas. - Unity in what is necessary, liberty in case of doubt, charity in all things. About 45,000 in-patients are treated every year in more than 60 wards of the central hospital. Every year about 130,000 out-patients are treated in about 35 health care centres and in 156 special consultation hours and clinics. More academic institutions are located in other city hospitals, like the dermatology department in the Hautklinik Linden and orthopaedics in the Annastift hospital.

More benefits at a glance:

- easy control of the whole workflow
- even distribution of the transcription work
- avoidance of overwork for individual employees
- listing of the dictations according to type, group, date, priority and typist
- easy installation via „plug & play“
- intuitive menu guidance



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