diasoft
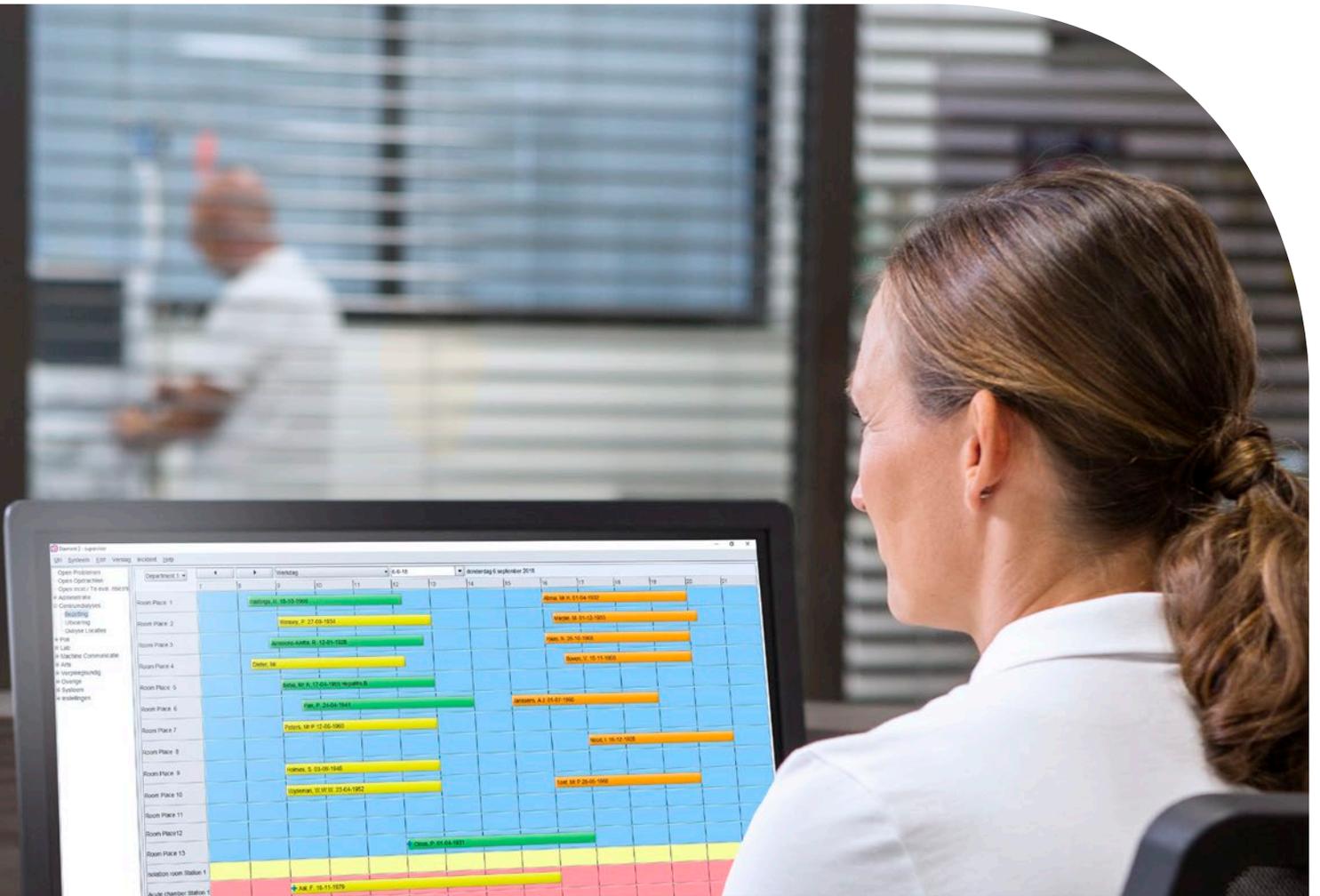
dialysis software
solutions

Your partner in dialysis software

Your reliable partner

Diasoft is your reliable partner for optimising care for dialysis patients. With the Diamant Electronic Patient File, Diasoft offers a certified ICT solution for every discipline pertaining to the care of renal patients: doctors, nurses, social workers and dieticians.

Diasoft works together intensively with qualified hospitals and healthcare providers, which is why Diamant fits with the ICT infrastructure of your healthcare facility. Implementations are intensively supervised. Diasoft has global partnerships with dialysis equipment manufacturers. This guarantees that almost all dialysis machines can connect to Diamant, allowing us to maintain freedom of choice for our customers, now and in the future.

Cooperation

Certified

Diasoft meets all the legal requirements placed on medical devices. Diamant, as well as the dialysis machines to which connections are established, must be considered Medical Device class II B. We also comply with the new European privacy legislation.

The Nictiz expertise centre in e-health in The Netherlands has awarded the Diamant 2 application its XIS qualification. The following certificates have been issued to Diasoft:

+ NEN-EN-ISO 9001
+ NEN-EN-ISO 13485

Therefore our products have been issued a CE certificate. The SmartConnector is also certified following the NENEN-IEC 60601-1 3rd edition for electrical safety.

Knowledge and experience

Diasoft uses the knowledge and experience of its users because they are a part of our worldwide User Community. This unique cooperation ensures that we modify our application based on changing practices. We also employ the knowledge and expertise of our global partnerships.

Diamant

Diamant is an electronic dialysis patient file that supports the clinical workflow for haemo- and peritoneal dialysis in a user-friendly manner. Diamant is a solution for monitoring patients in all stages of their treatment: from predialysis to transplantation. Diamant integrates into the complex ICT environment of a modern hospital and connects to all conventional dialysis machines and scales.

Modular system

Diamant is modular in design. The Workflow version offers complete support of the entire haemodialysis process, from planning to reporting. In its most comprehensive form (Advanced), Diamant is a multidisciplinary solution that supports all treatment modalities.

Diamant Workflow

Diamant Workflow ensures the secure and efficient execution of your daily dialysis processes:

Planning

Diamant takes the dialysis department planning out of your hands and shows you which patients are coming in for dialysis on which days and at what times. Diamant then shows you which reminders, administrations and laboratory tests need to be done.

HD dialysis module

Specific dialysis instructions can be composed for every patient and dialysis machine type, telling the nurse what the dialysis machine settings should be. Some dialysis machines can be automatically set in Diamant. Then the entire dialysis procedure can be monitored remotely in Diamant. Diamant uses alerts to display the tasks that a nurse needs to perform during the dialysis.

Course

All of a patient's data stored in Diamant are displayed chronologically at a glance; for example, dialysis treatments, disease progression and medication prescriptions.

Reminders

It is also possible to create nursing, medical and administrative reminders in Diamant and choose to have these visible during the dialysis procedure. This way a doctor can create a reminder to have a blood sample drawn or a transfusion administered during the dialysis procedure, for example. A reminder can be a one-time reminder or be recurring.

Medication

The medication module contains the patient's entire medication file. Diamant shows which administrations must be done during the treatment. These may be carried forward, if desired. Diamant hence makes an important contribution to medication safety.
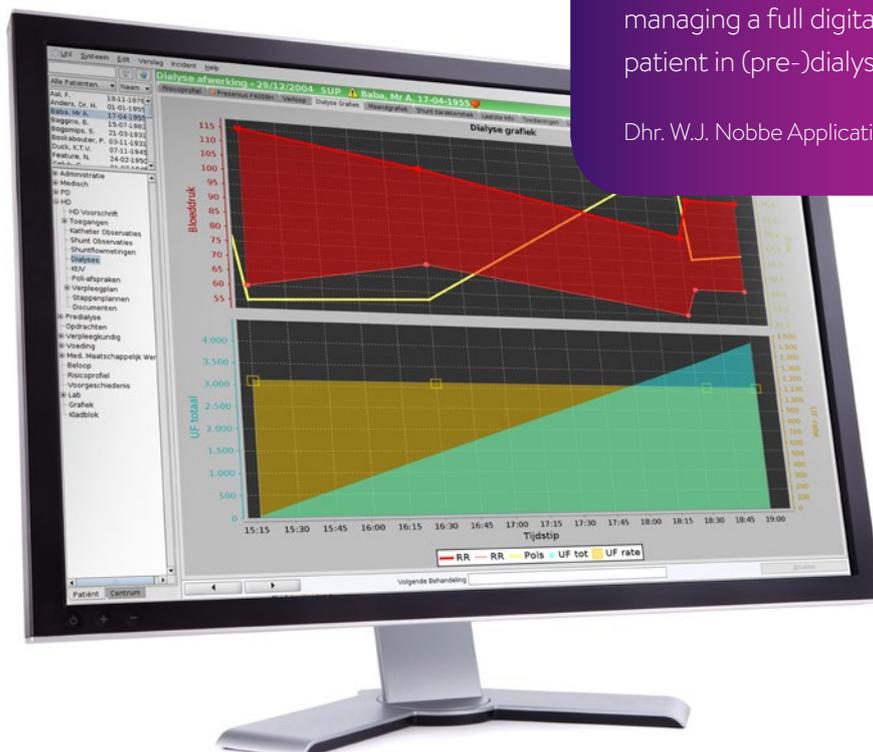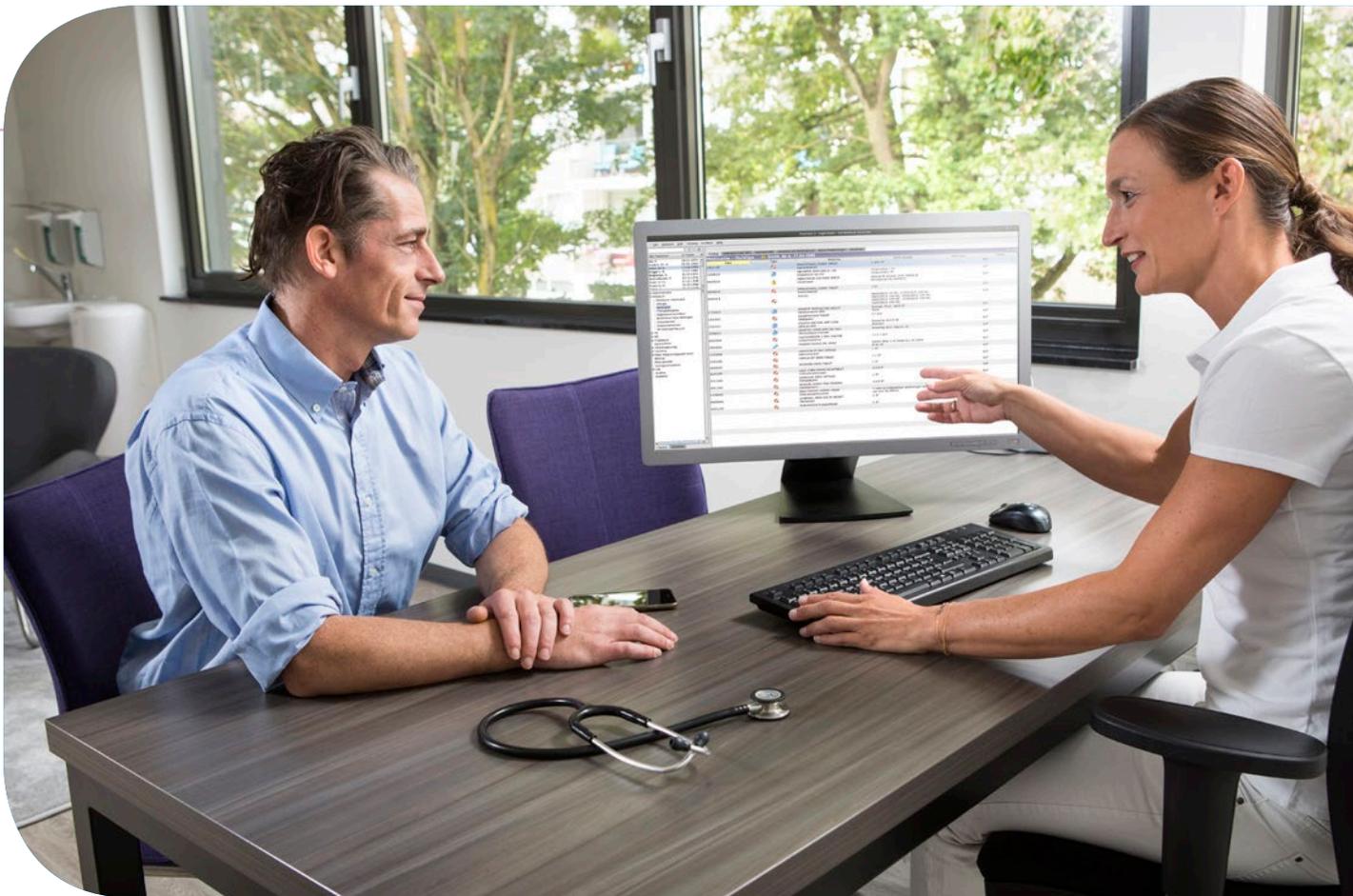
Reports and graphics

Diamant offers comprehensive reporting options. Overviews can be exported to PDF and/or Microsoft Office™. Dialysis, lab and medication data can be combined and displayed in graphs.

> For me, Diamant is a program that meets all the necessary requirements for managing a full digital file from the patient in (pre-)dialysis.
>
> Dhr. W.J. Nobbe Application Manager – The Hague

Diamant Advanced

Diamant Advanced contains all the disciplines and treatment modalities for complex care for kidney patients. In addition to all the Diamant Workflow modules, Diamant Advanced also contains the following modules.

Paramedic modules

A dietician can enter dietary instructions and SGA measurements. Diamant calculates the patient's BMI by using the connection with the scale. The social worker has the possibility of entering intake and interview reports.

Medical information

With the use of the medical information module, Diamant becomes the complete Electronic Patient File. This includes the possibility of documenting allergies and resuscitation orders. Complete patient correspondence can also be added to the file.

Dialysis efficiency

Diamant calculates the Kt/V using the patient's weight prior to and after dialysis as well as the laboratory values.

HD access

With the HD access you can manage complete care for fistulas and/or HD catheters. You can enter the care and observations of these accesses, fistula flow measurements and photos, among other things.

> Diasoft has, as developer of the program Diamant, an important role in efficiently and effectively embedding IT in our dialysis centre.
>
> Jeroen Ruissen Functional Manager Dialysis – Rotterdam

Additional modules

The following modules are extra options you can select for Diamant Workflow and Advanced:

Risk management

This module integrates risk management with Diamant's Workflow. By maintaining a patient-specific risk profile, Diamant is able to alert the user to possible risks early on. Based on the severity and occurrence of incidents, preventive measures can be initiated, such as medical or nursing reminders.

Invoicing

You can generate invoices using the invoicing module. This allows you to convert outpatient clinic treatments and all sorts of procedures, such as the insertion of an HD catheter, into invoices. Via the financial connection you can send the invoices to every receiving system at your hospital or directly to the health insurance company.

HTTPS

The HTTPS allows you to access Diamant through your hospital's Electronic Patient File, thereby also making dialysis data available in the emergency room, for example.

Multicentre

You can house multiple dialysis centres in one Diamant system. Diamant only makes patient data available at the centre where these are needed. This enables moving patient data between connected centres.

Connections

Diasoft offers various connections for the Diamant system. These connections complete your system.
The following are the main connections:

+ **Receive laboratory results**
  You receive all your laboratory results directly in Diamant.
+ **Send laboratory requests**
  With this connection you can send requests from Diamant to your laboratory system.
+ **Send financial data**
  This connection allows you to send billable transactions to every receiving system at your hospital or directly to the health insurance company.
+ **Receive patient demographics**
  Calling up patients in external systems.
+ **Receive intake and discharge reports**
  All patient transfers are displayed in Diamant, from intake to discharge. Automatic reading in of new patients is also possible.

+ **Dialysis machine connection**
  Connection with all conventional dialysis machines. Diamant can also configure some machines through this interface. Also connection with various types of scales.
+ **Export treatment**
  Send a summary of the HD treatment data to an external system.
+ **Import HD instructions**
  Import the most-used HD instruction parameters in Diamant.
+ **HTTP(S) interface**
  Access medical data through the Diamant Web Server.
+ **Portal Interface (REST FHIR)**
  Document measurement values and appointments through the web interface in Diamant.