BETAVISTA
HOME CARE SOLUTION SYSTEM
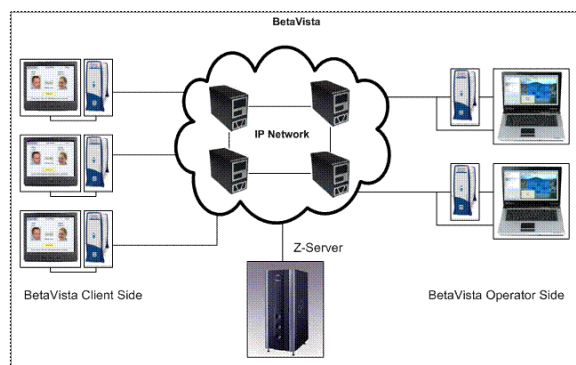
BETAVISTA HOME CARE SOLUTION SYSTEM

The Remote home-assistance model we refer to is based on video interaction between patient and "care giver", through a telecommunication system to provide:

- o   monitoring of patients physical and physiological conditions

- o   control of the vital parameters

- o   psychological and moral support to the patient and his relatives

- o   specialist support for local medical treatments

- o   support for chronic patients

- o   communication with relatives

- o   informative system, communication and agenda management of the daily activities (medicines to be taken, analysis to be done, etc.)

The "**you see me I see you"** approach creates a human relation between operator and patient and improves the contact effect. However, designing a home care solution that fits the need of a patients means to take in due consideration the results of years of experiences and research, performed by universities, care givers, hospitals, industries. We have put together a list of items that result to be the fundamental requirements for Home care solutions:
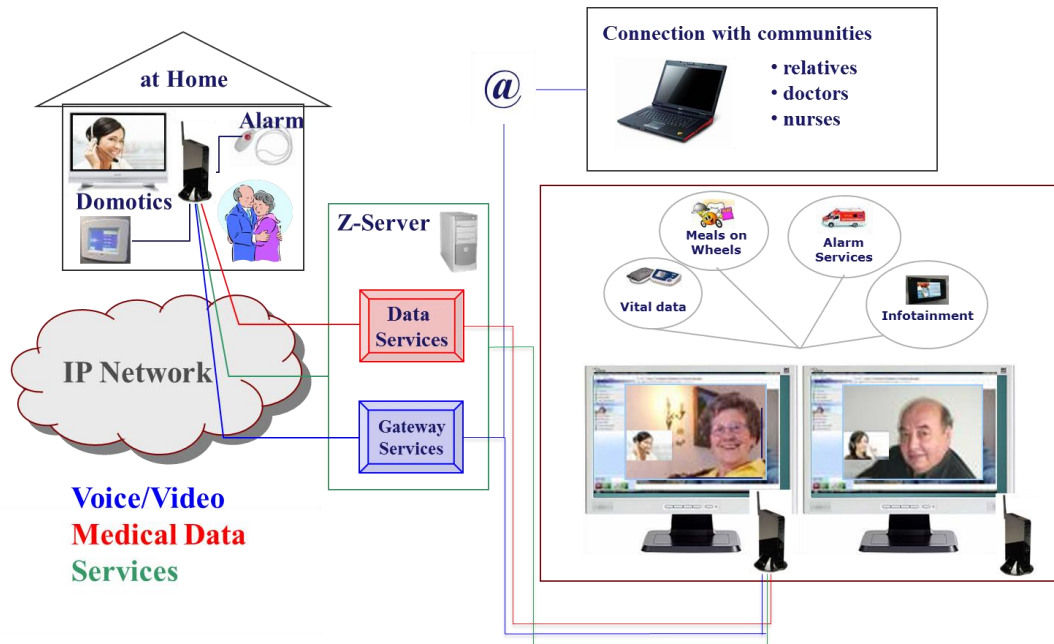
- ▪   **Simplicity**: using well known end user instrument

- ▪   **Quality:** audio, video and date

- ▪   **Ergonomicity**: elderly people (complete information, keys, symbols,…)

- ▪   **Ubiquity:** compatible for PSTN and IP networks

- ▪   **Availability:** Support always present

- ▪   **Efficiency and faithfulness :** Connection to medical devices and truthfulness of the collected date.

The *BETAVISTA SYSTEM* is designed taking into account all the above experience, merging with the most advanced digital technology solutions today available on the market, such as the most innovative broadband and wireless technologies, to provide full audio/video/data interactive conferencing between a care giver in the call center and the patients. BETAVISTA is the evolution of the previous CareStation.net home care system, widely used in Europe and US for elderly home support.
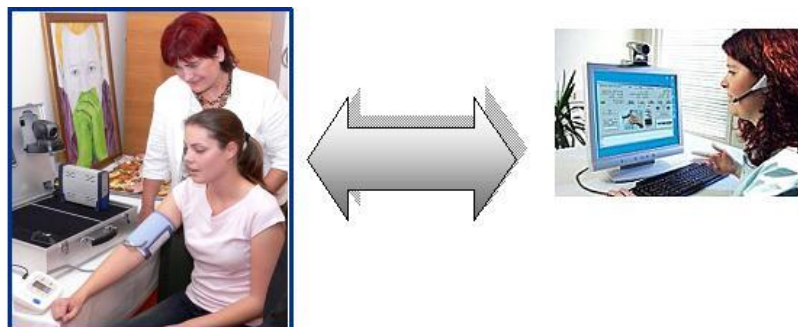

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The BETAVISTA allows to store/retrieve all data with a central server concept. The Callcenter/Operator and Client Stations are connected to this central Server. Beside the Server there is a Database on which the information is stored. Each Operator Station connected to the System can access these data.

The system allows the care giver to visit a patient from remote, to control on line several vital parameters (e.g. blood pressure, ECG data, weight scale values from several suppliers) and to implement home automation features (alarm monitoring, surveillance etc.)

THE HOME CARE STATION

On the patient site a set top box with a camera is provided. The device interacts with a TV set by means of a SCART cable and with a number of wireless medical devices , chosen in accordance with the health pathology to be monitor or even without any devise for Tele-care applications to elderly.
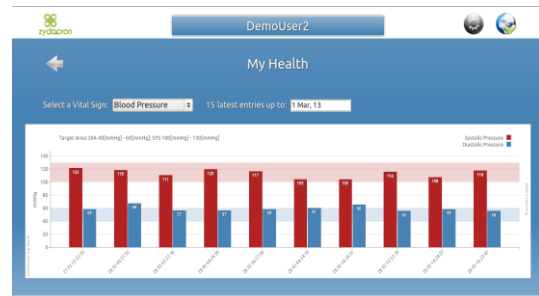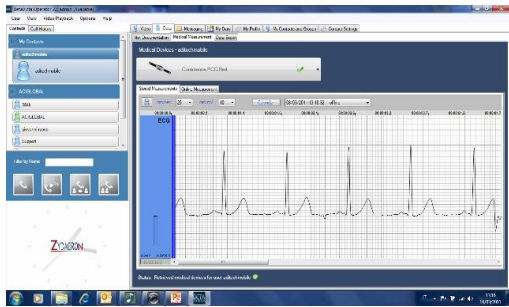
The Patient's TV is used as a screen, connected to the set top box via a SCART-cable, allows the remote care giver to interact with the TV video and audio commands (interrupt program, voice interaction, etc) . The care giver can also send messages to the patient as remainders for appointments or for teleconseiling application. Communication between the patient and their relatives is enabled within the BETAVISTA System using a special developed software for a remote PC connected to internet. The set top box can manage different types of cameras (PTZ, analogue and digital web cams).

THE VIDEO CONTROL CENTRE

Enables a care giver to remote visit a patient, to record vital parameter measurements, to store in a database all gathered data and images, allowing the care giver have a complete history of the patient.

The video call centre can manage incoming video calls, transfer to other operators or put the call in a waiting list, in the same manner as it would happen in a voice call centre.

The Video call centre features include :

■ *full callcenter features*

> ❖ point-to-point with hold/transfer/park
>
> ❖ multipart conferencing (up to 4)
>
> ❖ monitoring & broadcasting
>
> ❖ recording & playback (including snapshots)
>
> ❖ priorized calls

■ *medical service features*

> ❖ diary function with WORD compability
>
> ❖ user MMS messaging system
>
> ❖ group based phonebookf
>
> ❖ multiple certified medical peripherals
>
> ❖ configurable patient record view
>
> ❖ medical messurement views