



## INFUSION PATIENT CONSULTATION INTERFACE

Enabling doctors to relate complex medical concepts through simple interactions.

Harnessing the power of Microsoft's Amalga and HealthVault technologies, the Infusion PCI (Patient Consultation Interface) for Microsoft Surface augments and facilitates the regular conversations doctors have with their patients through a unique, interactive presentation. Employing static and active media elements, doctors are able to explain and demonstrate complex medical procedures or conditions to their patients using simple terminology.

The Infusion PCI makes use of multiple interface views and interaction points to provide a comfortable and secure environment for healthcare professionals to review x-ray images, lab results, CT scans, prescriptions, and reference information from the Amalga platform. Microsoft Surface facilitates education and the direct sharing of information with patients by simply dropping documents into their Microsoft HealthVault account, and it builds patient confidence in the secure transfer of electronic information between doctor and patient.



## MICROSOFT AMALGA HIS

The Microsoft Amalga Hospital Information System (HIS) is a state-of-the-art, integrated hospital information system. Amalga HIS delivers complete, agile hospital information that is affordable, flexible, and intuitive. The solution is designed to meet the needs of healthcare professionals while minimizing the cost and resources required for operating global healthcare organizations.

## MICROSOFT HEALTHVAULT

Microsoft HealthVault is a security-enhanced, flexible health solutions platform that places consumers in control of their health information by storing it in a central location and making it easy to share and update. HealthVault lets patients consolidate their health information into one easily accessible account, allowing them to become more informed and active in managing their health.



## INTERFACE VIEWS

Within the Infusion PCI's two interface views, content including documents, photographs, and videos can be manipulated to facilitate easy access and examination of information by both doctor and patient.

**The Content View** allows the viewing of shared content in a free-form display. This view delivers uncomplicated observation of medical documents, information, and media, as well as a simple summary of any topics shared during a session.

**The Anatomic View** presents content for viewing in the context of the human body. This view enables the uncomplicated observation of specific diagnosis information and educational content.



Sample Content View



Sample Anatomic View

## INTERACTION POINTS

The Content and Anatomic views are traversed via five common elements:

**Personal Identification** components enable the patient and doctor to share and store information. Identification occurs when the patient or doctor places their Microsoft HealthVault or Amalga card on the Surface device. For the patient, the identification card provides the ability to share and receive content from their HealthVault account. For doctors, identification allows them to log in to transfer data or share educational content with the patient.

**The Anatomic Locator** enables the doctor to focus on a specific area of the body. This action is performed by selecting and manipulating one of five "body systems" that can be used for accessing content: exterior, organ, circulatory, nervous and skeletal.

**The Orb Menu** draws data from the patient's HealthVault account when a patient enters the content view. This hierarchical and easily navigated menu enables the selection of new content for the current session through the selection and dragging of "content orbs" located near the patient's HealthVault card.

**The Web Menu** allows the doctor to display content within the Anatomical View. Once a body type is selected, key points on the body relating to the content are highlighted. This content includes documents, static images, and videos arranged around the point of interest.

**Content Items** a part of the overall interaction within the application and consist of documents, photographs, and videos. This multimedia is embedded into the patient's information, interaction points within body types, or any other educational portion of the application.

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