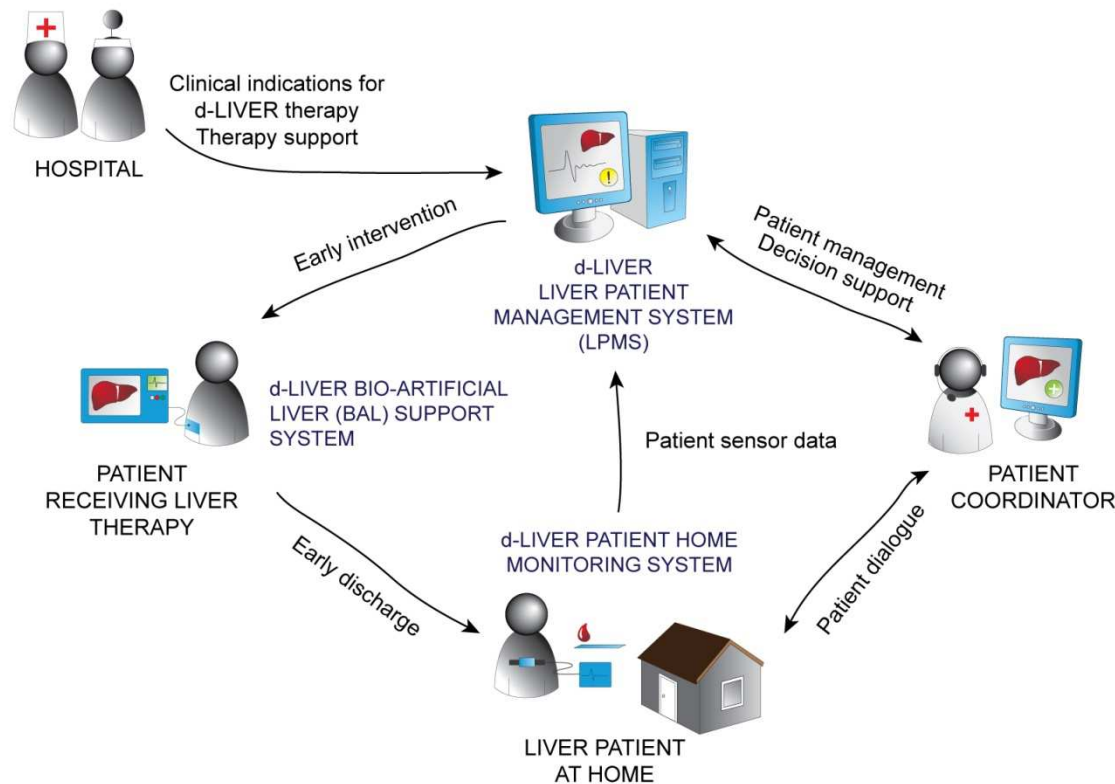
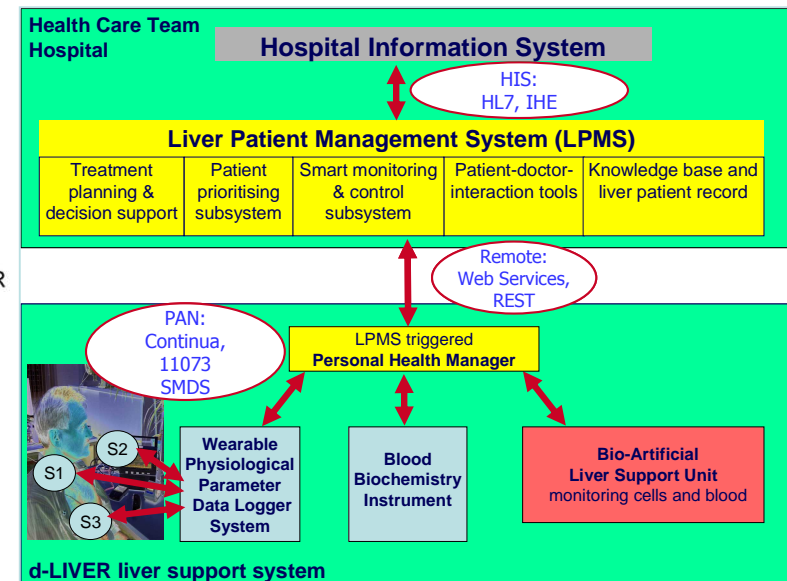


d-LIVER



ICT-enabled, cellular artificial liver system incorporating personalized patient management and support



The d-LIVER project applies a scenario-driven development methodology to address the unmet clinical need for an ICT-enabled bio-artificial liver support system (BAL) for remote management of patients with chronic liver disease outside the hospital. The aim is to provide safe, cost-effective systems for continuous, context-aware, multi-parametric monitoring of both patient and BAL parameters in order to; enhance the quality of medical treatment and management, improve the quality of life for patients, reduce the incidence and duration of hospitalization and consequently reduce the health economic burden of chronic liver disease.

In a parallel, high-risk, high reward activity, d-LIVER will identify human pancreatic progenitor cells which can differentiate into human hepatocytes and be cultured into the large numbers of functional cells which can supplement vital liver functions.

FP7 ICT-2011-287596

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