

知識發掘實驗室

Laboratory of Knowledge Discovery

### 發展特色

- (1) 資料探勘與知識發掘  
(Data Mining and Knowledge Discovery)
- (2) 商業智慧於醫療運用  
(Business Intelligence Applications in Medicine)
- (3) 臨床資訊系統發展  
(Development of Clinical Information Systems)

### 近三年論文及專題

- (1) 腹部主動脈瘤手術個案管理系統之雛型架構發展
- (2) 整合分類器於信用評分系統之研究
- (3) 運用資料探勘分類模型對腹主動脈瘤術後併發症之探討與研究
- (4) 集成分類技術用於腹主動脈瘤傳統手術術後併發症之預測
- (5) 心臟血管外科之臨床資訊系統架構發展與實作
- (6) 心臟血管外科臨床資訊系統建置發展
- (7) 手術資訊系統成效評估
- (8) 以探索性資料分析方法發展心臟血管疾病臨床輔助預知模型
- (9) 以機器學習為基礎的心臟血管疾病術前病患風險評估預測工具

## Laboratory of Knowledge Discovery

### **Features of development**

- (4) Data mining and knowledge discovery
- (5) Business intelligence applications in medicine
- (6) Developing clinical information systems

### **Articles published during the past 3 years**

- (10) Abdominal aortic aneurysm case management system and structural development
- (11) Researching an integration classifier for use in a credit scoring system
- (12) A research and discussion on applying a data mining classification model to postoperative complications of abdominal aortic aneurysm surgery
- (13) Predicting postoperative complications to abdominal aortic aneurysm surgery by using an integrated classifying technique
- (14) Structural development and practical application of a clinical informatics system for use in cardiovascular surgery
- (15) System development of a clinical informatics system for use in cardiovascular surgery
- (16) Evaluating the results of a surgical informatics system
- (17) Developing a supplementary cardiovascular disease clinical prediction model by using exploratory data analysis
- (18) Presurgical risk evaluation of cardiovascular disease surgery based on machine learning