

Alternate site burns, 111

Aortic valves decalcification, 53

Ankle joint, 241

Apnoea, 43

Aorta, canine, 161

TECHNOLOGY AND HEALTH CARE

Technology and Health Care 3 (1996) 289

Keyword Index

Electromyography, 11 Energetic matching, 231 Ergonomics, 11 Erythrocyte, 47 Evoked potential, 23, 33

FE analysis, 209 Filter, 47 Flexible conductimetric sensor, 117 Fluorescence, 101 Forecasting, 273 Forward pressure, 201

Gait, 241

Health planning, 273 Heart, human, mechanics, 209 Hiatus hernia, 263

Instrumentation, 241 Intelligent Learning Environments (ILE), 279 Interactive multimedia applications, 279

Jitter, delay time, 23

Laparoscopic surgery, 263 Laser angioplasty, 53 Laser doppler, 153 Linear/Non-linear processing, 123 Load exposure, 11 Lung, 15 LVAD, 231

Magnetopneumography, 15 Mathematical modeling, 139 Measurement error, 161 Medical imaging, 91 Medicine, 75 Mental stress, 3 Mock circulatory system, 231 Model artery, 185 Multimodal image fusion, 91 Musculoskeletal disorders, 3 Nd:YAG laser, 53 Neural networks, 91 NICU, 273

Oscillation, 43 Osteoporosis, 69

Peripheral quantitative computer tomography, 69 Physical load, 3 Posture, 11 Prenatal diagnosis, 217 Pressure-volume loop, 231 Preterm infant, 43 Propagation coefficient, 161 Pulsatile flow, 185

Quality control, 251

Radiotherapy, 251 Resource allocation, 273 Riemann invariants, 201

Sex differences, 3 Simulation technology, 75 Spectral processing, 23, 33 Spectroscopy, 101 Splenectomy, 263

Tear conductivity, 117 Tear electrolyte, 117 Tear turnover rate, 117 Technology management, 273 Thoracoscopic surgery, 263 Time scale distortion, 23, 33 Tissue heating, 111 Training, 75

Ultrasound doppler, 153 Utilization review, 273

Virtual Environments, 75 Visual, 33

Welding, 15 Wow, 23, 33

Appendectomy, 263 Arterial blood flow, 139 Arterial pressure wave, 201 Artery, 185 Artificial neural networks, 217 Atherosclerosis, 101, 139 Automated cytogenetics, 217 Averaging, 33 Backward pressure, 201 **Biomechanics**, 241 Bone densitometry, 69 Botallic duct, 263 Bowel resection, 263 Cardiac function, 123 Carotid sinus, 153 Cerebral embolism, 153 Chest radiography, 15 Cholecystectomy, 263 Clinical engineering, 273 Clogging, 47 CO₂ laser, 53 Computer-assisted surgery, 91 Computer-Based Training (CBT), 279 Computer modelling, 123

3D image segmentation, 91 3D movement analysis, 251 Delay time jitter, 33 Diagnostics, 101 Distribution of stress, 209 Dust retention, 15 Dynamics, 185

Computer simulation, 139

ECG, 123 Education, 75 Electrical surgical unit, 111 Electrocardiogram (ECG), 279