CURRICULUM VITAE

BALESTRA GABRIELLA

Dipartimento di Elettronica e Telecomunicazioni
Politecnico di Torino

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FORMAZIONE UNIVERSITARIA

Settembre 1991 - aprile 1993 — **Borsa post dottorato**
Dipartimento di Elettronica del Politecnico di Torino

• 18/09/1990 — **Dottorato di Ricerca** in Ingegneria Informatica e dei Sistemi
Politecnico di Torino

15/12/1985 – 9/02/1987 — **Borsa di studio**
Dipartimento di Automatica e Informatica del Politecnico di Torino per il progetto finalizzato "Ottimizzazione diagnostica in epatologia: elaborazioni dati" della Regione Piemonte

•10/07/1980 — **Laurea** in Scienze dell'Informazione
•
Università di Torino

CARRIERA UNIVERSITARIA

1/03/2003 – OGGI — **Ricercatore confermato**
afferente al settore scientifico disciplinare ING-INF/06 – Bioingegneria elettronica e informatica

19/04/1996 – 28/02/2003 — **Ricercatore confermato**
afferente al settore scientifico disciplinare A04B – Ricerca operativa

ATTIVITA' ORGANIZZATIVA

- Dall'anno accademico 2000/2001 attiva a livello organizzativo nella definizione dell'offerta formativa nei corsi di laurea e di laurea magistrale in Ingegneria Biomedica del Politecnico di Torino.
- Da ottobre 2018 Vice Coordinatore del Collegio di Ingegneria Biomedica (https://didattica.polito.it/collegi/cl010/it).
- Da gennaio 2019 a gennaio 2021 coordinatrice del Master in Telemedicina (https://didattica.polito.it/master/telemedicina/2019/master_in_un_click).

ATTIVITA' DIDATTICA

L'attività didattica si riferisce ai seguenti settori:

- ☐ Progettazione di software medicali
- ☐ Strumenti di process modeling applicati ai processi clinici
- ☐ Metodi di ottimizzazione locale, meta euristiche
- ☐ Machine learning
- ☐ Artificial intelligence
- ☐ Teoria della decisione
- ☐ Telemedicina
- ☐ Applicazioni legate al supporto alla decisione nei processi di diagnosi, definizione della terapia, monitoraggio del paziente, miglioramento della qualità del processo di cura

DOTTORATO

- Tutore di 7 dottorandi
- Didattica svolta per gli studenti di dottorato:

POLITECNICO di TORINO – Dottorato Ingegneria Biomedica e

Anno Accademico	**Titolare dell'insegnamento**
2012/2013	Intelligent systems for biomedical data interpretation
2011/2012	Intelligent systems for biomedical data interpretation
2010/2011	Intelligent systems for biomedical data interpretation

POLITECNICO di TORINO – Dottorato Bioingegneria e Scienze medico-chirurgiche

Anno Accademico	**Titolare dell'insegnamento**
2020/2021	Data mining for the analysis of clinical studies

ATTIVITA' DI RICERCA

L'attività di ricerca consiste in:

- Utilizzo delle tecniche di process modeling per la definizione delle specifiche di software medicali, analisi di processi clinici, analisi e costruzione di PDTA
- Sviluppo di strumenti per l'aggregazione e/o l'interpretazione di dati, immagini e segnali biomedici con tecniche di machine learning e intelligenza artificiale
- Applicazione di tecniche di data mining a data set ottenuti attraverso studi clinici.
- Sviluppo di sistemi di supporto alla decisione clinica basati su conoscenza.

INDICATORI RELATIVI A TUTTA LA PRODUZIONE SCIENTIFICA

Numero articoli	Numero, totale di citazioni	H-index	Fonte Banca dati
28	894	14	GOOGLE SCHOLAR
25	513	10	SCOPUS
20	293	7	WEB OF SCIENCE

COLLABORAZIONI

Componente gruppo di ricerca Biolab del DET-Politecnico di Torino a partire dagli anni 90. A partire dall'inizio degli anni 2000 coordino il sottogruppo legato all'applicazione delle tecniche di intelligenza artificiale/machine learning e dei metodi di clinical process modeling.

Nell'ambito di queste attività sono state portate avanti le seguenti collaborazioni:

- University College Dublin, School of Electrical and Electronic Engineering, referente Prof. M. Lowery (dal 2020)
- Università di Modena-Reggio Emilia, Dipartimento di Scienze Biomediche, Metaboliche e Neuroscienze – Gruppo di Endocrinologia e Metabolismo, referente Prof. D. Santi (dal febbraio 2021)
- Università di Torino, DIPARTIMENTO: Dipartimento di Oncologia – Gruppo di Urologia, referente Prof. F. Porpiglia (dal febbraio 2020)
- Università di Torino - Dipartimento di Scienze Chirurgiche, ISTITUTO: IRCCS Candiolo – Dipartimento di Radiodiagnostica, referente Prof. D. Regge (da giugno 2015)
- Università di Torino, Dipartimento di Oncologia – Gruppo di Radioterapia, referente Prof. U. Ricardi (da giugno 2017)

- Università di Torino, Dipartimento di Scienze Chirurgiche – Gruppo di Anestesiologia, referente Dott. V. Fanelli (da maggio 2020)
- A.O.U. Città della Salute e della Scienza di Torino, Struttura Complessa di Ematologia Universitaria - Centro Emofilia Adulti, Centro di Riferimento Regionale per le Malattie Trombotiche ed Emorragiche dell'adulto, referente Dott.ssa Alessandra Borchiellini (da novembre 2017)
- A.O.U. Città della Salute e della Scienza di Torino, Struttura Complessa di Ematologia Universitaria, referente Prof. M. Boccadoro (da aprile 2010 a maggio 2018)
- Università di Genova, Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei sistemi, referente Prof. M. Fato in collaborazione con la radiologia dell'ospedale Gaslini (da ottobre 2016 a settembre 2019)

ASSOCIAZIONI SCIENTIFICHE

Componente Consiglio direttivo SIBIM (https://www.sibim.it/) da giugno 2020
IEEE – EMBS, CIS, Computer, WIE
AAMI

PRIMA LINGUA

ITALIANO

ALTRE LINGUE

INGLESE

• Capacità di lettura	eccellente
• Capacità di scrittura	buono
• Capacità di espressione orale	buono

Il sottoscritto è a conoscenza che, ai sensi dell'art. 26 della L. 15/68, le dichiarazioni mendaci, la falsità negli atti e l'uso di atti falsi sono puniti ai sensi del codice penale e delle leggi speciali.
Inoltre, il sottoscritto autorizza al trattamento dei dati personali, secondo quanto previsto dalla Legge 675/96 del 31 dicembre 1996.

Data 19 agosto 2021

Firma

PUBBLICAZIONI

G Dotti, M Ghislieri, S Rosati, V Agostini, M Knaflitz, G Balestra
Influence of Gait Cycle Normalization on Principal Activations
(2021) IEEE International Symposium on Medical Measurements and Applications (MeMeA)
https://ieeexplore.ieee.org/abstract/document/9478738
DOI: 10.1109/MeMeA52024.2021.9478738

M Vagni, N Giordano, G Balestra, S Rosati
Comparison of different similarity measures in hierarchical clustering
(2021) IEEE International Symposium on Medical Measurements and Applications (MeMeA)
https://ieeexplore.ieee.org/abstract/document/9478746
DOI: 10.1109/MeMeA52024.2021.9478746

Giordano, N., Rosati, S., Valeri, F., Borchiellini, A., Balestra, G.
Simulation of the Impact on the Workload of the Enlargement of the Clinical Staff of a Specialistic Reference Center
(2021) Studies in health technology and informatics, 281, pp. 605-609.
https://ebooks.iospress.nl/doi/10.3233/SHTI210242
DOI: 10.3233/SHTI210242

Checcucci, E., De Luca, S., Alessio, P., Verri, P., Granato, S., De Cillis, S., Amparore, D., Sica, M., Piramide, F., Piana, A., Volpi, G., Manfredi, M., Balestra, G., Autorino, R., Fiori, C., Porpiglia, F., Carbonaro, B., Zamengo, D., Piscitello, S., Meziere, J.
Implementing telemedicine for the management of benign urologic conditions: a single centre experience in Italy
(2021) World Journal of Urology, . Cited 1 time (SCOPUS).
https://link.springer.com/article/10.1007/s00345-020-03536-x
DOI: 10.1007/s00345-020-03536-x

Giannini, V., Rosati, S., Defeudis, A., Balestra, G., Vassallo, L., Cappello, G., Mazzetti, S., De Mattia, C., Rizzetto, F., Torresin, A., Sartore-Bianchi, A., Siena, S., Vanzulli, A., Leone, F., Zagonel, V., Marsoni, S., Regge, D.
Radiomics predicts response of individual HER2-amplified colorectal cancer liver metastases in patients treated with HER2-targeted therapy
(2020) International Journal of Cancer, 147 (11), pp. 3215-3223. Cited 1 time (SCOPUS).
https://onlinelibrary.wiley.com/doi/abs/10.1002/ijc.33271
DOI: 10.1002/ijc.33271

Agostini, V., Ghislieri, M., Rosati, S., Balestra, G., Knaflitz, M.
Surface Electromyography Applied to Gait Analysis: How to Improve Its Impact in Clinics?
(2020) Frontiers in Neurology, 11, art. no. 994, . Cited 4 times.
https://www.frontiersin.org/articles/10.3389/fneur.2020.00994/full?utm_source=researcher_app&utm_medium=referral&utm_campaign=RESR_MRKT_Researcher_inbound
DOI: 10.3389/fneur.2020.00994

Panic, J., Defeudis, A., Mazzetti, S., Rosati, S., Giannetto, G., Vassallo, L., Regge, D., Balestra, G., Giannini, V.
A Convolutional Neural Network based system for Colorectal cancer segmentation on MRI images
(2020) Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, 2020-July, art. no. 9175804, pp. 1675-1678. Cited 3 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/9175804
DOI: 10.1109/EMBC44109.2020.9175804

Giannini, V., Defeudis, A., Rosati, S., Cappello, G., Mazzetti, S., Panic, J., Regge, D., Balestra, G.
An innovative radiomics approach to predict response to chemotherapy of liver metastases based on CT images
(2020) Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, 2020-July, art. no. 9176627, pp. 1339-1342. Cited 1 time (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/9176627
DOI: 10.1109/EMBC44109.2020.9176627

Fiandra, C., Rossi, L., Alparone, A., Zara, S., Vecchi, C., Sardo, A., Bartoncini, S., Loi, G., Pisani, C., Gino, E., Ruo Redda, M.G., Marco Deotto, G., Tini, P., Comi, S., Zerini, D., Ametrano, G., Borzillo, V., Strigari, L., Strolin, S., Savini, A., Romeo, A., Reccanello, S., Rumeileh, I.A., Ciscognetti, N., Guerrisi, F., Balestra, G., Ricardi, U., Heijmen, B.
Automatic genetic planning for volumetric modulated arc therapy: A large multi-centre validation for prostate cancer
(2020) Radiotherapy and Oncology, 148, pp. 126-132. Cited 1 time (SCOPUS).
https://www.sciencedirect.com/science/article/abs/pii/S0167814020302012
DOI: 10.1016/j.radonc.2020.04.020

Rosati, S., Franco, P., Fiandra, C., Arcadipane, F., Silvetti, P., Gallio, E., Panic, J., Ricardi, U., Balestra, G.
Comparison of different classifiers to recognize active bone marrow from CT images
(2020) IEEE Medical Measurements and Applications, MeMeA 2020 - Conference Proceedings, art. no. 9137173, . Cited 1 time (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/9137173
DOI: 10.1109/MeMeA49120.2020.9137173

Giannini, V., Defeudis, A., Rosati, S., Cappello, G., Vassallo, L., Mazzetti, S., Panic, J., Regge, D., Balestra, G.
Deep learning to segment liver metastases on CT images: Impact on a radiomics method to predict response to chemotherapy
(2020) IEEE Medical Measurements and Applications, MeMeA 2020 - Conference Proceedings, art. no. 9137150, . Cited 1 time (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/9137150
DOI: 10.1109/MeMeA49120.2020.9137150

Giordano, N., Rosati, S., Valeri, F., Borchiellini, A., Balestra, G.
Agent-based modeling and simulation of care delivery for patients with thrombotic and bleeding disorders
(2020) Studies in Health Technology and Informatics, 270, pp. 1193-1194.
https://core.ac.uk/reader/327178360
DOI: 10.3233/SHTI200358

Zaccaria, G.M., Ferrero, S., Rosati, S., Ghislieri, M., Genuardi, E., Evangelista, A., Sandrone, R., Castagneri, C., Barbero, D., Schirico, M.L., Arcaini, L., Molinari, A.L., Ballerini, F., Ferreri, A., Omedè, P., Zamò, A., Balestra, G., Boccadoro, M., Cortelazzo, S., Ladetto, M.
Applying data warehousing to a phase III clinical trial from the Fondazione Italiana Linfomi ensures superior data quality and improved assessment of clinical outcomes
(2019) JCO Clinical Cancer Informatics, 3, . Cited 3 times (SCOPUS).
https://ascopubs.org/doi/full/10.1200/CCI.19.00049
DOI: 10.1200/CCI.19.00049

Rosati, S., Valeri, F., Borchiellini, A., Gianfreda, C.M., Balestra, G.
Characterization of Physicians Workload in a Reference Center for the Treatment of Thrombotic and Bleeding Disorders
(2019) Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, art. no. 8856820, pp. 1359-1362. Cited 1 time (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/8856820
DOI: 10.1109/EMBC.2019.8856820

Rosati, S., Toselli, B., Fato, M.M., Tortora, D., Severino, M., Rossi, A., Balestra, G.
Pediatric Brain Tissue Segmentation from MRI using Clustering: A Preliminary Study
(2019) Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, art. no. 8856697, pp. 6557-6560.
https://ieeexplore.ieee.org/abstract/document/8856697
DOI: 10.1109/EMBC.2019.8856697

Rosati, S., Balestra, G., Fortunato, D., Knaflitz, M.
Lifestyle analysis of a female group of university workers: Do they reach recommended levels of physical activity?
(2019) 2019 IEEE 23rd International Symposium on Consumer Technologies, ISCT 2019, art. no. 8900992, pp. 225-228.
https://ieeexplore.ieee.org/abstract/document/8900992
DOI: 10.1109/ISCE.2019.8900992

Agostini, V., Visconti, L., Trucco, M., Maritano, A., Capra, G., Balestra, G., Rosati, S., Knaflitz, M.
KNEE PROPRIOCEPTION MAY BE ALTERED by TREATMENT in ATHLETES SUFFERING from DELAYED ONSET MUSCLE SORENESS
(2019) Journal of Mechanics in Medicine and Biology, 19 (3), art. no. 1950011, . Cited 2 times (SCOPUS).
https://www.worldscientific.com/doi/abs/10.1142/S0219519419500118
DOI: 10.1142/S0219519419500118

Gallio, E, Rosati, S, Fiandra, C, Arcadipane, F, Lesca, A, Silvetti, P, Balestra, G, Ricardi, U, Franco, P
Active bone marrow identification in the pelvis using texture analysis of CT features
"RADIOTHERAPY AND ONCOLOGY, Volume133, PageS1042-S1043, Supplement1 Meeting AbstractEP-1918"
https://www.postersessiononline.eu/173580348_eu/congresos/ESTRO38/aula/-EP_1918_ESTRO38.pdf
DOI10.1016/S0167-8140(19)32338-2

Castagneri, C., Agostini, V., Rosati, S., Balestra, G., Knaflitz, M.
Asymmetry Index in Muscle Activations
(2019) IEEE Transactions on Neural Systems and Rehabilitation Engineering, 27 (4), art. no. 8662716, pp. 772-779. Cited 5 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/8662716
DOI: 10.1109/TNSRE.2019.2903687

Castagneri, C., Agostini, V., Balestra, G., Knaflitz, M., Carlone, M., Massazza, G.
Emg asymmetry index in cyclic movements
(2018) 2018 IEEE Life Sciences Conference, LSC 2018, art. no. 8572041, pp. 223-226. Cited 2 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/8572041
DOI: 10.1109/LSC.2018.8572041

Rosati, S., Gianfreda, C.M., Balestra, G., Giannini, V., Mazzetti, S., Regge, D.
Radiomics to predict response to neoadjuvant chemotherapy in rectal cancer: Influence of simultaneous feature selection and classifier optimization
(2018) 2018 IEEE Life Sciences Conference, LSC 2018, art. no. 8572194, pp. 65-68. Cited 4 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/8572194
DOI: 10.1109/LSC.2018.8572194

Rosati, S., Balestra, G., Franco, P., Fiandra, C., Arcadipane, F., Silvetti, P., Ricardi, U., Gallio, E.
Radiomics for identification of active bone marrow from ct: An exploratory study
(2018) 2018 IEEE Life Sciences Conference, LSC 2018, art. no. 8572154, pp. 73-76. Cited 1 time (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/8572154
DOI: 10.1109/LSC.2018.8572154

Rosati, S., Balestra, G., Knaflitz, M.
Comparison of different sets of features for human activity recognition by wearable sensors
(2018) Sensors (Switzerland), 18 (12), art. no. 4189, . Cited 26 times (SCOPUS).
https://www.mdpi.com/1424-8220/18/12/4189
DOI: 10.3390/s18124189

Rosati, S., Gianfreda, C.M., Balestra, G., Martincich, L., Giannini, V., Regge, D.
Correlation based Feature Selection impact on the classification of breast cancer patients response to neoadjuvant chemotherapy
(2018) MeMeA 2018 - 2018 IEEE International Symposium on Medical Measurements and Applications, Proceedings, art. no. 8438698, .
https://ieeexplore.ieee.org/abstract/document/8438698
DOI: 10.1109/MeMeA.2018.8438698

Castagneri, C., Agostini, V., Rosati, S., Balestra, G., Knaflitz, M.
Longitudinal assessment of muscle function after Total Hip Arthroplasty : Use of clustering to extract principal activations from EMG signals
(2018) MeMeA 2018 - 2018 IEEE International Symposium on Medical Measurements and Applications, Proceedings, art. no. 8438802, . Cited 3 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/8438802
DOI: 10.1109/MeMeA.2018.8438802

De Leonardis, G., Rosati, S., Balestra, G., Agostini, V., Panero, E., Gastaldi, L., Knaflitz, M.
Human Activity Recognition by Wearable Sensors : Comparison of different classifiers for real-time applications
(2018) MeMeA 2018 - 2018 IEEE International Symposium on Medical Measurements and Applications, Proceedings, art. no. 8438750, . Cited 28 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/8438750
DOI: 10.1109/MeMeA.2018.8438750

Giannini, V., Rosati, S., Castagneri, C., Martincich, L., Regge, D., Balestra, G.
Radiomics for pretreatment prediction of pathological response to neoadjuvant therapy using magnetic resonance imaging: Influence of feature selection
(2018) Proceedings - International Symposium on Biomedical Imaging, 2018-April, pp. 285-288. Cited 5 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/8363575
DOI: 10.1109/ISBI.2018.8363575

Gallio, E, Alparone, A, Fiandra, C, Vecchi, C , Balestra, G, Ragona, R, Ricardi, U
Genetic algorithm based script for automation of head and neck VMAT treatment planning
"RADIOTHERAPY AND ONCOLOGY, Volume127, PageS1026-S1026 Supplement1, Meeting AbstractEP-1894; 37th Meeting of the European-Society-for-Radiotherapy-and-Oncology (ESTRO)
DOI 10.1016/S0167-8140(18)32203-5

Zaccaria, GM, Rosati, S, Zema, M, Agostini, V, Balestra, G"
An Approach Based on Process Modeling for Implementing a Health Information Technology in Clinical Practice
(2018)JOURNAL OF MEDICAL IMAGING AND HEALTH INFORMATICS, Volume8, Issue3, Page472-478
https://www.ingentaconnect.com/contentone/asp/jmihi/2018/00000008/00000003/art00010
DOI 10.1166/jmihi.2018.2353

Gallio, E, Alparone, A, Fiandra, C, Vecchi, C, Balestra, G, Ragona, R, Ricardi, U
Automated Heuristic Optimization of Prostate
VMAT Treatment Planning
(2018) International Journal of Medical Physics, Clinical Engineering and Radiation Oncology, 2018, 7, 414-425

Rimini, D., Agostini, V., Rosati, S., Castagneri, C., Balestra, G., Knaflitz, M.
Influence of pre-processing in the extraction of muscle synergies during human locomotion
(2017) Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, art. no. 8037365, pp. 2502-2505. Cited 6 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/8037365
DOI: 10.1109/EMBC.2017.8037365

Zaccaria, G.M., Rosati, S., Castagneri, C., Ferrero, S., Ladetto, M., Boccadoro, M., Balestra, G.
Data quality improvement of a multicenter clinical trial dataset
(2017) Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, art. no. 8037043, pp. 1190-1193. Cited 4 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/8037043
DOI: 10.1109/EMBC.2017.8037043

Agostini, V., Rosati, S., Balestra, G., Trucco, M., Visconti, L., Knaflitz, M.
Estimation of joint position error
(2017) Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, art. no. 8037358, pp. 2474-2477. Cited 2 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/8037358
DOI: 10.1109/EMBC.2017.8037358

Rosati, S., Zema, M., Castagneri, C., Marchetti, F., Balestra, G.
Modelling and analysis of four telemedicine Italian experiences
(2017) Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, art. no. 8037398, pp. 2634-2637. Cited 1 time (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/8037398
DOI: 10.1109/EMBC.2017.8037398

Rosati, S., Castagneri, C., Agostini, V., Knaflitz, M., Balestra, G.
Muscle contractions in cyclic movements: Optimization of CIMAP algorithm
(2017) Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, art. no. 8036762, pp. 58-61. Cited 7 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/8036762
DOI: 10.1109/EMBC.2017.8036762

Agostini, V., Rosati, S., Castagneri, C., Balestra, G., Knaflitz, M.
Clustering analysis of EMG cyclic patterns: A validation study across multiple locomotion pathologies
(2017) I2MTC 2017 - 2017 IEEE International Instrumentation and Measurement Technology Conference, Proceedings, art. no. 7969746, . Cited 6 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/7969746
DOI: 10.1109/I2MTC.2017.7969746

Giannini, V., Rosati, S., Regge, D., Balestra, G.
Specificity improvement of a CAD system for multiparametric MR prostate cancer using texture features and artificial neural networks
(2017) Health and Technology, 7 (1), pp. 71-80. Cited 8 times (SCOPUS).
https://link.springer.com/article/10.1007%2Fs12553-016-0150-6
DOI: 10.1007/s12553-016-0150-6

Rosati, S., Agostini, V., Knaflitz, M., Balestra, G.
Gait impairment score: A fuzzy logic-based index for gait assessment
(2017) International Journal of Applied Engineering Research, 12 (12), pp. 3337-3345.
https://core.ac.uk/download/pdf/234917355.pdf

Rosati, S., Agostini, V., Knaflitz, M., Balestra, G.
Muscle activation patterns during gait: A hierarchical clustering analysis
(2017) Biomedical Signal Processing and Control, 31, pp. 463-469. Cited 28 times (SCOPUS).
https://www.sciencedirect.com/science/article/abs/pii/S1746809416301434
DOI: 10.1016/j.bspc.2016.09.017

N Saleh, S Rosati, A Sharawi, MA Wahed, G Balestra
An Optimal Scheduling for Medical Equipment Preventive Maintenance Over a Finite Planning Horizon Using Ant Colony Algorithm
(2017) Journal of Clinical Engineering; vol 42;Issue 3; pp 142-149
https://journals.lww.com/jcejournal/Abstract/2017/07000/An_Optimal_Scheduling_for_Medical_Equipment.13.aspx
DOI: 10.1097/JCE.0000000000000227

Agostini, V., Di Nardo, F., Fioretti, S., Burattini, L., Rosati, S., Balestra, G., Knaflitz, M.
Frequency-of-occurrence of myoelectric patterns to evaluate gait motor control strategies after hip replacement surgery
(2016) Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, 2016-October, art. no. 7590721, pp. 387-390.
https://ieeexplore.ieee.org/abstract/document/7590721
DOI: 10.1109/EMBC.2016.7590721

Rosati, S., Giannini, V., Castagneri, C., Regge, D., Balestra, G.
Dataset homogeneity assessment for a prostate cancer CAD system
(2016) 2016 IEEE International Symposium on Medical Measurements and Applications, MeMeA 2016 - Proceedings, art. no. 7533734, . Cited 4 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/7533734
DOI: 10.1109/MeMeA.2016.7533734

Rosati, S., Meiburger, K.M., Balestra, G., Acharya, U.R., Molinari, F.
Carotid wall measurement and assessment based on pixel-based and local texture descriptors
(2016) Journal of Mechanics in Medicine and Biology, 16 (1), art. no. 1640006, . Cited 11 times (SCOPUS).
https://www.worldscientific.com/doi/abs/10.1142/S0219519416400066
DOI: 10.1142/S0219519416400066

Meiburger, K.M., Rosati, S., Balestra, G., Acharya, U.R., Molinari, F.
Ultrasound B-mode descriptors and their association to age and automated IMT and IMT variability
(2016) Journal of Mechanics in Medicine and Biology, 16 (1), art. no. 1640007, .
https://www.worldscientific.com/doi/abs/10.1142/S0219519416400078
DOI: 10.1142/S0219519416400078

Giannini, V., Rosati, S., Regge, D., Balestra, G.
Texture features and artificial neural networks: A way to improve the specificity of a CAD system for multiparametric MR prostate cancer
(2016) IFMBE Proceedings, 57, pp. 296-301. Cited 3 times (SCOPUS).
https://link.springer.com/chapter/10.1007/978-3-319-32703-7_59
DOI: 10.1007/978-3-319-32703-7_59

Zema, M., Rosati, S., Gioia, V., Knaflitz, M., Balestra, G.
Developing medical device software in compliance with regulations
(2015) Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, 2015-November, art. no. 7318614, pp. 1331-1334. Cited 4 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/7318614
DOI: 10.1109/EMBC.2015.7318614

Saleh, N., Balestra, G.
Comprehensive framework for preventive maintenance priority of medical equipment
(2015) Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, 2015-November, art. no. 7318588, pp. 1227-1230. Cited 2 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/7318588
DOI: 10.1109/EMBC.2015.7318588

Zema, M., Rosati, S., Carvajal, J.E.D., Balestra, G.
CPDI: An Index for measuring deviations in Clinical Pathways
(2015) Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, 2015-November, art. no. 7318627, pp. 1385-1388. Cited 1 time (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/7318627
DOI: 10.1109/EMBC.2015.7318627

Saleh, N., Sharawi, A.A., Elwahed, M.A., Petti, A., Puppato, D., Balestra, G.
Preventive maintenance prioritization index of medical equipment using quality function deployment
(2015) IEEE Journal of Biomedical and Health Informatics, 19 (3), art. no. 6851862, pp. 1029-1035. Cited 19 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/6851862
DOI: 10.1109/JBHI.2014.2337895

Saleh, N., Rosati, S., Sharawi, A., Wahed, M.A., Balestra, G.
Application of quality function deployment and genetic algorithm for replacement of medical equipment
(2015) Proceedings of the 7th Cairo International Biomedical Engineering Conference, CIBEC 2014, art. no. 7020925, pp. 91-94. Cited 4 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/7020925
DOI: 10.1109/CIBEC.2014.7020925

Rosati, S., Balestra, G., Giannini, V., Mazzetti, S., Russo, F., Regge, D.
ChiMerge discretization method: Impact on a computer aided diagnosis system for prostate cancer in MRI
(2015) 2015 IEEE International Symposium on Medical Measurements and Applications, MeMeA 2015 - Proceedings, art. no. 7145216, pp. 297-302. Cited 9 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/7145216
DOI: 10.1109/MeMeA.2015.7145216

Saleh, N., Sharawi, A.A., Abdel Wahed, M., Balestra, G.
A Conceptual Priority Index for Purchasing Medical Equipment in Hospitals
(2015) Journal of Clinical Engineering, 40 (3), pp. E1-E6. Cited 1 time (SCOPUS).
https://journals.lww.com/jcejournal/Abstract/2015/07000/A_Conceptual_Priority_Index_for_Purchasing_Medical.21.aspx
DOI: 10.1097/JCE.0000000000000104

Agostini, V., Balestra, G., Knaflitz, M.
Segmentation and classification of gait cycles
(2014) IEEE Transactions on Neural Systems and Rehabilitation Engineering, 22 (5), art. no. 6675863, pp. 946-952. Cited 109 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/6675863
DOI: 10.1109/TNSRE.2013.2291907

Rosati, S., Balestra, G., Molinari, F.
Feature extraction by quick reduction algorithm: Assessing the neurovascular pattern of migraine sufferers from NIRS signals
(2014) Intelligent Systems Reference Library, 56, pp. 287-307. Cited 1 time (SCOPUS).
https://link.springer.com/chapter/10.1007/978-3-642-40017-9_13
DOI: 10.1007/978-3-642-40017-9_13

Rosati, S., Balestra, G., Molinari, F., Rajendra Acharya, U., Suri, J.S.
A selection and reduction approach for the optimization of ultrasound carotid artery images segmentation
(2014) Intelligent Systems Reference Library, 56, pp. 309-332. Cited 5 times (SCOPUS).
https://link.springer.com/chapter/10.1007/978-3-642-40017-9_14
DOI: 10.1007/978-3-642-40017-9_14

Zema, M., Balestra, G., Emanville, D., Meloni, T., Iiriti, S.
Assessment of a telemedicine service: The experience of Valle d'Aosta
(2014) IEEE MeMeA 2014 - IEEE International Symposium on Medical Measurements and Applications, Proceedings, art. no. 68600117, .
https://ieeexplore.ieee.org/abstract/document/6860117
DOI: 10.1109/MeMeA.2014.6860117

Rosati, S., Agostini, V., Balestra, G., Knaflitz, M.
36490087000;7004036748;6701479637;6603936395;
Basographic gait impairment score: A fuzzy classifier based on foot-floor contact parameters
(2014) IEEE MeMeA 2014 - IEEE International Symposium on Medical Measurements and Applications, Proceedings, art. no. 68600121, . Cited 2 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/6860121
DOI: 10.1109/MeMeA.2014.6860121

Rosati, S., Balestra, G., Molinari, F.
Dual Fuzzy-Snake model for IMT measurement in carotid ultrasound images of low- and high-risk patients
(2014) 2014 IEEE-EMBS International Conference on Biomedical and Health Informatics, BHI 2014, art. no. 6864454, pp. 676-679.
https://ieeexplore.ieee.org/abstract/document/6864454
DOI: 10.1109/BHI.2014.6864454

Saleh, N., Sharawi, A., Elwahed, M.A., Petti, A., Puppato, D., Balestra, G.
A new approach for preventive maintenance prioritization of medical equipment
(2014) IFMBE Proceedings, 41, pp. 1059-1062. Cited 1 time (SCOPUS).
https://link.springer.com/chapter/10.1007/978-3-319-00846-2_262
DOI: 10.1007/978-3-319-00846-2_262

Rosati, S., Montanaro, A., Tralli, A., Balestra, G.
Fuzzy logic applied to a Patient Classification System
(2013) Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, art. no. 6609749, pp. 1310-1313. Cited 3 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/6609749
DOI: 10.1109/EMBC.2013.6609749

Rosati, S., Tralli, A., Balestra, G.
A multi-agent system for monitoring patient flow
(2013) Studies in Health Technology and Informatics, 192 (1-2), p. 944. Cited 5 times (SCOPUS).
https://europepmc.org/article/med/23920718
DOI: 10.3233/978-1-61499-289-9-944

Chiaramello, E., Agostini, V., Balestra, G., Knaflitz, M.
Automatic classification of time-frequency plots applied to the center-of-pressure rotational components
(2013) Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, art. no. 6610476, pp. 4219-4222. Cited 3 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/6610476
DOI: 10.1109/EMBC.2013.6610476

Rosati, S., Balestra, G., Molinari, F.
Feature selection applied to the time-frequency representation of muscle near-infrared spectroscopy (NIRS) signals: Characterization of diabetic oxygenation patterns
(2012) Journal of Mechanics in Medicine and Biology, 12 (4), art. no. 1240013, . Cited 7 times (SCOPUS).
https://www.worldscientific.com/doi/abs/10.1142/S0219519412400131
DOI: 10.1142/S0219519412400131

Gaetano, L., Balestra, G.
A multi agent system model for evaluating quality service of clinical engineering department
(2011) Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, art. no. 6090284, pp. 1209-1212.
https://ieeexplore.ieee.org/abstract/document/6090284
DOI: 10.1109/IEMBS.2011.6090284

Rosati, S., Molinari, F., Balestra, G.
Feature selection applied to ultrasound carotid images segmentation
(2011) Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, art. no. 6091278, pp. 5161-5164. Cited 1 time (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/6091278
DOI: 10.1109/IEMBS.2011.6091278

Gaetano, L., Puppato, D., Balestra, G.
Modeling clinical engineering activities to support healthcare technology management
(2011) Management Engineering for Effective Healthcare Delivery: Principles and Applications, pp. 113-131. Cited 6 times (SCOPUS).
https://www.igi-global.com/chapter/modeling-clinical-engineering-activities-support/56250
DOI: 10.4018/978-1-60960-872-9.ch005

Rosati, S., Balestra, G., Molinari, F.
Feature extraction by QuickReduct algorithm: Assessment of migraineurs neurovascular pattern
(2011) Journal of Medical Imaging and Health Informatics, 1 (2), pp. 184-192. Cited 7 times (SCOPUS).
https://www.ingentaconnect.com/contentone/asp/jmihi/2011/00000001/00000002/art00012
DOI: 10.1166/jmihi.2011.1024

Molinari, F., Gaetano, L., Balestra, G., Suri, J.S.
7004289592;57188959275;6701479637;7005613223;
Role of fuzzy pre-classifier for high performance LI/MA segmentation in b-mode longitudinal carotid ultrasound images
(2010) 2010 Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC'10, art. no. 5626390, pp. 4719-4722. Cited 5 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/5626390
DOI: 10.1109/IEMBS.2010.5626390

Gaetano, L., Di Benedetto, G., Tura, A., Balestra, G., Montevecchi, F.M., Kautzky-Willer, A., Pacini, G., Morbiducci, U.
A self-organizing map based morphological analysis of oral glucose tolerance test curves in women with gestational diabetes mellitus
(2010) Studies in Health Technology and Informatics, 160 (PART 1), pp. 1145-1149. Cited 2 times (SCOPUS).
https://ebooks.iospress.nl/doi/10.3233/978-1-60750-588-4-1145
DOI: 10.3233/978-1-60750-588-4-1145

Balestra, G., Gaetano, L., Puppato, D.
A model for simulation of Clinical Engineering Department activities
(2008) Proceedings of the 30th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS'08 - "Personalized Healthcare through Technology", art. no. 4650363, pp. 5109-5112. Cited 3 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/4650363
DOI: 10.1109/iembs.2008.4650363

Balestra, G., Knaflitz, M., Massa, R., Sicuro, M.
AHP for the acquisition of biomedical instrumentation
(2007) Annual International Conference of the IEEE Engineering in Medicine and Biology - Proceedings, art. no. 4353105, pp. 3581-3584. Cited 7 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/4353105
DOI: 10.1109/IEMBS.2007.4353105

Poluta, M., Nunziata, E., Knaflitz, M., Balestra, G.
Do we have the data to take informed decisions in Healthcare Technology Management (HTM) related issues? A conceptual HTM-IS framework
(2005) Annual International Conference of the IEEE Engineering in Medicine and Biology - Proceedings, 7 VOLS, art. no. 1616142, pp. 7099-7102.
https://ieeexplore.ieee.org/abstract/document/1616142
DOI: 10.1109/iembs.2005.1616142

Agostini, V., Balestra, G., Norese, M.F.
Fuzzy classifier based on muscle fatigue parameters
(2005) Annual International Conference of the IEEE Engineering in Medicine and Biology - Proceedings, 7 VOLS, art. no. 1616957, pp. 2421-2424. Cited 1 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/1616957
DOI: 10.1109/iembs.2005.1616957

G. Balestra, M. Knaflitz, F. Molinari, F. Raviola, F. Mongini
Time-Frequency analysis of myoelectric signals collected during clenching
(2002) Proceedings of XIV International Congress of ISEK, Vienna, Austria, 2002

G. Balestra, M. Knaflitz, F. Molinari
Principles of statistical gait analysis
(2002) Proceedings of XIV International Congress of ISEK, Vienna, Austria, 2002

Balestra, G., Frassinelli, S., Knaflitz, M., Molinari, F.
Time-frequency analysis of surface myoelectric signals during athletic movement
(2001) IEEE Engineering in Medicine and Biology Magazine, 20 (6), pp. 106-115. Cited 29 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/982282
DOI: 10.1109/51.982282

G. Balestra, M.F. Norese, M. Knaflitz
Model structuring to assess the progression of muscular dystrophy
(2001) AMCDA – Aide Multicritère à la Décision (Multiple Criteria Decision Aiding), edited by A. Colorni, M. Parruccini, B. Roy, Joint Research Centre, EUR Report, The Europena Commission

Gabriella Balestra, Marco Knaflitz, Maria Franca Norese
Muscle Fatigue Evaluation for Longitudinal Assessment of Dystrophic Patients
(2000) Proceedings of XIII International Congress of ISEK, Sapporo, Japan

Gabriella Balestra, Marco Knaflitz, Maria Franca Norese
Longitudinal Assessment of Muscle fatigue during a Pharmacological Trial
(1999) Procedings of 3rd International Workshop on Biosignal Interpretation , Chicago, June 12-14, pp. 190-193, 1999

Fumagalli, Andrea, Balestra, Gabriella, Valcarenghi, Luca
7006518049;6701479637;6603404158;
Optimal amplifier placement in multi-wavelength optical networks based on simulated annealing
(1998) Proceedings of SPIE - The International Society for Optical Engineering, 3531, pp. 268-279. Cited 9 times (SCOPUS).
https://www.spiedigitallibrary.org/conference-proceedings-of-spie/3531/0000/Optimal-amplifier-placement-in-multiwavelength-optical-networks-based-on-simulated/10.1117/12.327065.short?SSO=1

G. Balestra, M. Knaflitz, M.F. Norese
A multicriteria procedure to support surface EMG acquisition
(1998) Proceding of XII Congress of ISEK, Montreal Canada, 1998

G. Balestra, M.F. Norese
Model structuring by means of electre III: a clinical research and application context
(1997) Proceedings of the International Conference on Methods and applications of multicriteria decision making., Mons

M. Knaflitz, G. Balestra, C. Angelini, M. Cadaldini
Muscle fatigue evaluation in the follow-up of children affected by Duchenne muscular dystrophy
(1996) Basic and Applied Myology, 6(2)

G. Balestra, M.F. Norese, A. Puiatti
A multicriteria probe positioning procedure for muscle fatigue evaluation
(1995) 14th European Conference of Operation Research, Jerusalem, luglio 1995

Knaflitz, P. Ecclesia, G. Balestra, M. Bezzan, F. Mongini, M.,
A new methodology to study muscle fatigue in normal and headache patients
(1995) in Experimental headache models, edited by J. Olesen and M. A. Moskowitz, Philadelphia (PA): Lippincott-Raven Publishers, pp. 319-323

M. Knaflitz, G. Balestra, C. Angelini, M. Cadaldini
Muscle fatigue manifestations in the follow up of patients affected by duchenne muscular dystrophy
(1994) X Congress of ISEK, Charleston, USA, 21-24 Giugno 1994

G. Balestra, A. Capra, E. Pasero
Kohonen maps for clustering motor unit action potentials
(1994) X Congress of ISEK, Charleston, USA, 21-24 Giugno 1994

G. Balestra, M.F. Norese, A. Puiatti
MCDA approach to a problem of myoelectric signal acquisition
(1994) 40th meeting of the European working group "Multicriteria aid for Decisions", Parigi, 6-7 ottobre 1994

M. Knaflitz, C. Angelini, G. Balestra, M. Cadaldini, M
Electrical manifestations of muscle fatigue in duchenne muscular dystrophy
(1994) relazione su invito VIII International Congress on Neuromuscular Diseases, Kyoto, Japan, 10-15 Luglio 1994, Muscle & Nerve, supplement 1

D'Alessio, T., Knaflitz, M., Balestra, G., Paggi, S.
On-Line Estimation of Myoelectric Signal Spectral Parameters and Nonstationarities Detection
(1993) IEEE Transactions on Biomedical Engineering, 40 (9), pp. 981-985. Cited 5 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/245620
DOI: 10.1109/10.245620

B. Rossi, G. Siciliano, M. Knaflitz, G. Balestra, A. Giorgetti, M. Bosano, A. Muratorio
Sarcolemmal excitability in myotonic dystrophy: evaluation by means of muscle conduction velocity
(1993) Nuova rivista di neurologia, Vol. 3, 6, pp. 255-259

Balestra, G., Liberati, D.
Qualitative Simulation of Urea Extraction During Dialysis
(1992) IEEE Engineering in Medicine and Biology Magazine, 11 (2), pp. 80-84. Cited 5 times (SCOPUS).
https://ieeexplore.ieee.org/abstract/document/139041
DOI: 10.1109/51.139041

Knaflitz, Marco, Balestra, Gabriella
Computer analysis of the myoelectric signal
(1991) IEEE Micro, 11 (5), pp. 12-"15, 48". Cited 10 times (SCOPUS).
https://scholar.google.com/citations?view_op=view_citation&hl=en&user=d4CSfuIAAAAJ&cstart=100&pagesize=100&sortby=pubdate&citation_for_view=d4CSfuIAAAAJ:2osOgNQ5qMEC
DOI: 10.1109/40.108544

DeLuca, C.J., Balestra, G., Knaflitz, M.
[305] EMGGEN: A software package for myoelectric signal generation
(1991) Journal of Rehabilitation Research and Development, 28 (1), p. 242.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-0025915486&partnerID=40&md5=80f837cf18a2cf9323daa1264ee4e8a5

G. Balestra, M. Knaflitz, C.J. De Luca
EMGGEN: a software package for myoelectric signal simulation designed for research and computer aided instruction
(1991) in Electrophysiological kinesiology, Eds: P. A. Anderson, D. J. Hobart and J. Danoff, Amsterdam: Elsevier Science Publisher, pp. 87-90

G. Balestra, T. D'Alessio, M. Knaflitz, S. Paggi
On-line estimation of surface myoelectric signal spectral parameters: methodological considerations
(1991) Eds: P. A. Anderson, D. J. Hobart and J. Danoff, Amsterdam: Elsevier Science Publisher, pp. 11-14

P. Bonato, M. Knaflitz, R. Merletti, G. Balestra
Comparison between muscle fiber conduction velocity estimation techniques: spectral matching versus cross-correlation techniques
(1991) in Electrophysiological kinesiology, Eds: P. A. Anderson, D. J. Hobart and J. Danoff, Amsterdam: Elsevier Science Publisher, pp. 19-22

Balestra, G., Tsoukiàs, A.
Multicriteria analysis represented by artificial intelligence techniques
(1990) Journal of the Operational Research Society, 41 (5), pp. 419-430. Cited 16 times (SCOPUS).
DOI: 10.1057/jors.1990.67

Knaflitz, M., Balestra, G., Merletti, R.
Relationships between SMES PSD and ACF main lobe width in localized muscle fatigue evaluation
(1989) Annual International Conference of the IEEE Engineering in Medicine and Biology - Proceedings, 11 pt 3, pp. 1024-1025. Cited 1 times (SCOPUS).

Balestra, G., Belforte, G., Molino, G.
Estimation of liver circulatory parameters: Error analysis
(1989) Annual International Conference of the IEEE Engineering in Medicine and Biology - Proceedings, 11 pt 1, pp. 250-251. Cited 1 times (SCOPUS).

Merletti, R., Balestra, G., Knaflitz, M.
Effect of FFT based algorithms on estimation of myoelectric signal spectral parameters
(1989) Annual International Conference of the IEEE Engineering in Medicine and Biology - Proceedings, 11 pt 3, pp. 1022-1023. Cited 33 times (SCOPUS).

Balestra, G., Tsoukiàs, A.
Preparing an intelligent interface for the use of multicriteria outranking methods
(1989) Lecture Notes in Economics and Mathematical Systems, Springer Verlag, vol. 335, pp. 576-584

Balestra, G., Knaflitz, M., Merletti, R.
Comparison between myoelectric signal mean and median frequency estimates
(1988) IEEE/Engineering in Medicine and Biology Society Annual Conference, 10 pt 4, pp. 1708-1709. Cited 10 times (SCOPUS).
DOI: 10.1109/iembs.1988.94932

Balestra, G., Knaflitz, M., Merletti, R.
Stationarity of voluntary and electrically elicited surface myoelectric signals
(1988) in Electrophysiological kinesiology, Eds: W. Wallinga, H.B.K. Boom and J. de Vries, Amsterdam: Elsevier Science Publishers

G. Balestra, G. Belforte and G. Molino
Analysis of a protocol for the evaluation of liver function: reliability of circulatory parameter estimation
(1988) Proceedings of Medical Informatics 88: Computers in Clinical Medicine, UK: Nottingham, september 1988

R. Urciuoli, M. Knaflitz, G. Balestra, M.A. Arbinolo, M.L. Bellero, R. Bertino, C. Franco, M. Gessa, A. Guarnaccia
Computerized clinical records in the Neurosurgical I.C.U. with self-updating of some biological data
(1985) Computers in critical care and pulmonary medicine (Ed. P.M. Osswald Springer-Verlag 1985), pgg. 78-81

R. Urciuoli, G. Balestra, M. Knaflitz, M.A. Arbinolo, M.L. Bellero, R. Bertino, C. Franco, M. Gessa, A. Guarnaccia
Gestione computerizzata di una cartella clinica di Terapia Intensiva Neurologica con possibilità di autoaggiornamento delle variabili fisiologiche
(1985) Medicina e Informatica, 1985, 1, pp. 34-41