

# Carlo Baldassarre Federici



Researcher

**Knowledge group:** Government, Health and Not for Profit

**Research domains:** Health Economics and HTA

**Teaching domains:** Markov Models, Economic Evaluations of Drugs, Meta-Analysis, Survival Analysis, Statistics for Clinical Studies

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## Biography

Carlo Federici is a Researcher in Health Economics and Health Technology Assessment (HTA) at the Research Center for the Management of Sociosanitary Care (CERGAS) at SDA Bocconi School of Management.

At SDA Bocconi, Carlo teaches the Advanced Decision Modelling course in the international Master's program MIHMEP (Master of International Healthcare Management, Economics, and Policy) and various courses on HTA and economic evaluation of healthcare technologies.

Carlo has contributed to several European projects, including the H2020 COMED projects focused on the evaluation of medical devices; the Horizon Europe Sagittarius project on the clinical and economic evaluation of new prognostic tests for patients with colorectal cancer; the Sustain-HTA project on the creation of a European infrastructure for the dissemination of HTA; and the HEU-EFS project on defining a European framework for conducting early-feasibility studies for medical devices. In recent years, Carlo has also been involved in research activities with the Italian Ministry of Health, focusing on reimbursement processes and regulatory aspects of new technologies.

His research activities primarily focus on HTA and the evaluation of health policies, with a focus on both methodological aspects and empirical applications using analytical decision models to estimate the cost-effectiveness of innovative technologies compared to other policy alternatives. Other recent research areas include projects in the field of Global Health, such as an economic evaluation of digital health interventions in vaccination programs in sub-Saharan Africa and Latin America or the impact assessment of a training program to promote an integrated approach in ante- and post-natal care services in Kenya.

Carlo is the author of numerous articles on these topics, published in journals such as Value in Health, PlosOne, Pharmacoeconomics, and Health Policy. He serves as an editor for the pharmacoeconomics and clinical outcomes section of the journal Clinical Therapeutics. He is a member of the Italian Health Economics Association (AIES) and the International Society for Pharmacoeconomics and Outcomes Research (ISPOR).

Carlo earned an MSc in Health Economics from the University of York and a Ph.D. from the University of Warwick.

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## Articles in Scholarly Journals

### **A blended learning approach for capacity strengthening to improve the quality of integrated HIV, TB, and malaria services during antenatal and postnatal care in LMICs: a feasibility study**

LADUR, A. N., U. EGERE, M. RAVIT, F. MGAWADERE, C. MURRAY, S. A. WHITE, M. HAUWA, R. MUTAI, L. NYAGA, S. DUNCAN, I. BASHIR, O. O. AYINDE, R. BAKAR, L. KATALAMBULA, C. B. FEDERICI, A. TORBICA, N. FURTADO, E. A. KUMAH, C. AMEH, "A blended learning approach for capacity strengthening to improve the quality of integrated HIV, TB, and malaria services during antenatal and postnatal care in LMICs: a feasibility study", BMC Medical Education, 2025, vol. 25, no. 1, pp. 35

### **The Costs of Digital Health Interventions to Improve Immunization Data in Low- and Middle-Income Countries: Multicountry Mixed Methods Study**

FEDERICI, C. B., M. VERYKIOU, M. CAVAZZA, W. OLOMI, P. IRAKIZA, K. KAYUMBA, E. RODRIGUEZ, L. E. CASTILLO MENDOZA, S. MALVOLTI, C. HUGO, N. E. NTINGINYA, S. CAMARA, I. SABI, N. SANO, H. SIBOMANA, J. CONDO, A. TORBICA, C. JOMMI, C. MANTEL, V. MANGIATERRA, "The Costs of Digital Health Interventions to Improve Immunization Data in Low- and Middle-Income Countries: Multicountry Mixed Methods Study", Journal of Medical Internet Research, 2025, vol. 27, pp. e62746-e62746

### **Impact of electronic immunization registries and electronic logistics management information systems in four low-and middle-income countries: Guinea, Honduras, Rwanda, and Tanzania**

MANTEL, C., C. HUGO, C. B. FEDERICI, N. SANO, S. CAMARA, E. RODRIGUEZ, L. E. CASTILLO MENDOZA, J. CONDO, P. IRAKIZA, I. SABI, E. NYANDA, W. OLOMI, M. CAVAZZA, V. MANGIATERRA, M. VERYKIOU, E. FERENCHICK, A. TORBICA, T. CHERIAN, S. MALVOLTI, "Impact of electronic immunization registries and electronic logistics management information systems in four low-and middle-income countries: Guinea, Honduras, Rwanda, and Tanzania", Vaccine, 2025, vol. 54, pp. 127066

### **I dati amministrativi per la governance dei tempi di attesa delle prestazioni ambulatoriali: l'esperienza dell'Azienda Sanitaria dell'Alto Adige**

ARMANASCHI, L., E. BARZAN, M. CAVALLUCCI, C. B. FEDERICI, M. SARTIRANA, F. ZERZER, "I dati amministrativi per la governance dei tempi di attesa delle prestazioni ambulatoriali: l'esperienza dell'Azienda Sanitaria dell'Alto Adige", Mecosan, 2023, no. 123, pp. 53-75

### **Cost-effectiveness Analysis of Radiofrequency Ablation in Patients With Barrett Esophagus and High-grade Dysplasia or Low-grade Dysplasia**

FEDERICI, C. B., G. CALLEA, P. A. TESTONI, G. COSTAMAGNA, P. TRENTINO, A. REPICI, "Cost-effectiveness Analysis of Radiofrequency Ablation in Patients With Barrett Esophagus and High-grade Dysplasia or Low-grade Dysplasia", *Clinical Therapeutics*, 2023, vol. 45, no. 5, pp. 426-436

### **Coverage with evidence development for medical devices in Europe: Can practice meet theory?**

DRUMMOND, M., C. B. FEDERICI, V. RECKERS-DROOG, A. TORBICA, C. R. BLANKART, O. CIANI, Z. KALÓ, S. KOVÁCS, W. BROUWER, "Coverage with evidence development for medical devices in Europe: Can practice meet theory?", *Health Economics*, 2022, vol. 31, no. S1, pp. 179-194

### **The use of artificial intelligence systems in diagnosis of pneumonia via signs and symptoms: A systematic review**

STOKES, K., R. CASTALDO, C. B. FEDERICI, S. PAGLIARA, A. MACCARO, F. CAPPUCCIO, G. FICO, M. SALVATORE, M. FRANZESE, L. PECCHIA, "The use of artificial intelligence systems in diagnosis of pneumonia via signs and symptoms: A systematic review", *Biomedical Signal Processing and Control*, February 2022, vol. 72, Part A, pp. 103325

### **An approach to quantify parameter uncertainty in early assessment of novel health technologies**

ISKANDAR, R., C. B. FEDERICI, C. BERNIS, C. R. BLANKART, "An approach to quantify parameter uncertainty in early assessment of novel health technologies", *Health Economics*, 2022, vol. 31, no. S1, pp. 116-134

### **Exploring the misalignment on the value of further research between payers and manufacturers. A case study on a novel total artificial heart**

FEDERICI, C. B., L. PECCHIA, "Exploring the misalignment on the value of further research between payers and manufacturers. A case study on a novel total artificial heart", *Health Economics*, 2022, vol. 31, no. S1, pp. 98-115

### **Implementation of coverage with evidence development schemes for medical devices: A decision tool for late technology adopter countries**

KOVÁCS, S., Z. KALÓ, R. DAUBNER-BENDES, K. KOLASA, R. HREN, T. TESAR, V. RECKERS-DROOG, W. BROUWER, C. B. FEDERICI, M. DRUMMOND, A. T. ZEMPLÉNYI, "Implementation of coverage with evidence development schemes for medical devices: A decision tool for late technology adopter countries", *Health Economics*, 2022, vol. 31, no. S1, pp. 195-206

### **Recommendations for the design and implementation of an Early Feasibility Studies program for medical devices in the European Union**

CALLEA, G., C. B. FEDERICI, R. FREDDI, R. TARRICONE, "Recommendations for the design and implementation of an Early Feasibility Studies program for medical devices in the European Union", *Expert Review of Medical Devices*, 2022, vol. 19, no. 4, pp. 315-325

### **Use of Resource Modeling to Quantify the Organizational Impact of Subcutaneous Formulations for the Treatment of Oncologic Patients: The Case of Daratumumab in Multiple Myeloma**

FEDERICI, C. B., C. ROGNONI, F. COSTA, P. ARMENI, E. CROVATO, S. BELLUCCI, "Use of Resource Modeling to Quantify the Organizational Impact of Subcutaneous Formulations for the Treatment of Oncologic Patients: The Case of Daratumumab in Multiple Myeloma", *Clinical Therapeutics*, 2022, vol. 44, no. 11, pp. 1480-1493

**Cost-saving effect of early less invasive surfactant administration versus continuous positive airway pressure therapy alone for preterm infants with respiratory distress syndrome**

FEDERICI, C. B., G. FORNARO, C. C. ROEHR, "Cost-saving effect of early less invasive surfactant administration versus continuous positive airway pressure therapy alone for preterm infants with respiratory distress syndrome", *European Journal of Hospital Pharmacy*, 2022, vol. 29, no. 6, pp. 346-352

**Establishing a national HTA program for medical devices in Italy: Overhauling a fragmented system to ensure value and equal access to new medical technologies**

TARRICONE, R., F. AMATUCCI, P. ARMENI, H. BANKS, L. BORSOI, G. CALLEA, O. CIANI, F. COSTA, C. B. FEDERICI, A. TORBICA, M. MARLETTA, "Establishing a national HTA program for medical devices in Italy: Overhauling a fragmented system to ensure value and equal access to new medical technologies", *Health Policy*, 2021, vol. 125, no. 5, pp. 602-608

**Performance-based risk-sharing agreements in renal care: current experience and future prospects**

DRUMMOND, M., C. B. FEDERICI, E. BUSINK, C. APEL, D. KENDZIA, W. BROUWER, "Performance-based risk-sharing agreements in renal care: current experience and future prospects", *Expert Review of Pharmacoeconomics & Outcomes Research*, 5 March 2021, pp. 1-13

**Cost-saving effect of early less invasive surfactant administration versus continuous positive airway pressure therapy alone for preterm infants with respiratory distress syndrome**

FEDERICI, C. B., G. FORNARO, C. C. ROEHR, "Cost-saving effect of early less invasive surfactant administration versus continuous positive airway pressure therapy alone for preterm infants with respiratory distress syndrome", *European Journal of Hospital Pharmacy*, 2021, pp. ejhpharm-2020-002465

**Broadening the Concept of Value: A Scoping Review on the Option Value of Medical Technologies**

FORNARO, G., C. B. FEDERICI, C. ROGNONI, O. CIANI, "Broadening the Concept of Value: A Scoping Review on the Option Value of Medical Technologies", *Value in Health*, 2021, vol. 24, no. 7, pp. 1045-1058

**Coverage with evidence development schemes for medical devices in Europe: characteristics and challenges**

FEDERICI, C. B., V. RECKERS-DROOG, O. CIANI, F. DAMS, B. GRIGORE, Z. KALÓ, S. KOVÁCS, K. SHATROV, W. BROUWER, M. DRUMMOND, "Coverage with evidence development schemes for medical devices in Europe: characteristics and challenges", *The European Journal of Health Economics*, 2021, vol. 22, pp. 1253-1273

**Economic evaluation of nutrition interventions: Does one size fit all?**

FATTORE, G., C. B. FEDERICI, M. DRUMMOND, M. MAZZOCCHI, P. DETZEL, Z. V. HUTTON, B. SHANKAR, "Economic evaluation of nutrition interventions: Does one size fit all?", *Health Policy*, 2021, vol. 125, no. 9, pp. 1238-1246

### **Regulatory and HTA early dialogues in medical devices**

BLANKART, C. R., F. DAMS, H. PENTON, Z. KALÓ, A. ZEMPLÉNYI, K. SHATROV, R. ISKANDAR, C. B. FEDERICI, "Regulatory and HTA early dialogues in medical devices", *Health Policy*, 2021, vol. 125, no. 10, pp. 1322-1329

### **Early health technology assessment using the MAFEIP tool. A case study on a wearable device for fall prediction in elderly patients**

FEDERICI, C. B., L. PECCHIA, "Early health technology assessment using the MAFEIP tool. A case study on a wearable device for fall prediction in elderly patients", *Health and Technology*, 2021, vol. 11, no. 5, pp. 995-1002

### **PNS77 Transferring Health Technology Assessments from EARLY Adopter to Late Adopter Countries: Recommendations for the Implementation of CED Schemes in Central and Eastern European Countries**

KOVÁCS, S., R. BENDES, Z. KALÓ, K. KOLASA, R. HREN, T. TESAR, V. RECKERS-DROOG, W. BROUWER, C. B. FEDERICI, A. TORBICA, M. DRUMMOND, A. ZEMPLÉNYI, "PNS77 Transferring Health Technology Assessments from EARLY Adopter to Late Adopter Countries: Recommendations for the Implementation of CED Schemes in Central and Eastern European Countries", *Value in Health*, 2021, vol. 24, pp. S187

### **Value Lies in the Eye of the Patients: The Why, What, and How of Patient-Reported Outcomes Measures**

CIANI, O., C. B. FEDERICI, "Value Lies in the Eye of the Patients: The Why, What, and How of Patient-Reported Outcomes Measures", *Clinical Therapeutics*, January 2020, vol. 42, no. 1, pp. 25-33

### **Value-based healthcare: Il nuovo approccio di AIFA alla determinazione multidimensionale del valore**

CIANI, O., C. B. FEDERICI, G. FORNARO, C. ROGNONI, "Value-based healthcare: Il nuovo approccio di AIFA alla determinazione multidimensionale del valore", *Global & Regional Health Technology Assessment: Italian; Northern Europe and Spanish*, 2020, vol. 7, no. 1, pp. 9-13

### **Impact of point of care ultrasound on the number of diagnostic examinations in elderly patients admitted to an internal medicine ward**

BARCHIESI, M., M. BULGHERONI, C. B. FEDERICI, F. CASELLA, M. D. MEDICO, D. TORZILLO, J. V. POPESCU, R. TARRICONE, C. COGLIATI, "Impact of point of care ultrasound on the number of diagnostic examinations in elderly patients admitted to an internal medicine ward", *European Journal of Internal Medicine*, 2020, vol. 79, pp. 88-92

### **Surrogate Endpoints in Health Technology Assessment: An International Review of Methodological Guidelines**

GRIGORE, B., O. CIANI, F. DAMS, C. B. FEDERICI, S. DE GROOT, M. MÖLLENKAMP, S. RABBE, K. SHATROV, A. ZEMPLÉNYI, R. S. TAYLOR, "Surrogate Endpoints in Health Technology Assessment: An International Review of Methodological Guidelines", *PharmacoEconomics*, 2020, vol. 38, no. 10, pp. 1055-1070

### **Early Cost-effectiveness Analysis of Electrochemotherapy as a Prospect Treatment Modality for Skin Melanoma**

PIRC, E., C. B. FEDERICI, M. BOŠNJAK, B. PERIC, M. REBERŠEK, L. PECCHIA, N. GLUMAC, M. CEMAŽAR, M. SNOJ, G. SERŠA, D. MIKLAVČIC, "Early Cost-effectiveness Analysis of Electrochemotherapy as a Prospect Treatment Modality for Skin Melanoma", *Clinical Therapeutics*, 2020, vol. 42, no. 8, pp. 1535-1548.e2

### **Challenges with coverage with evidence development schemes for medical devices: A systematic review**

RECKERS-DROOG, V., C. B. FEDERICI, W. BROUWER, M. DRUMMOND, "Challenges with coverage with evidence development schemes for medical devices: A systematic review", Health Policy and Technology, 2020, vol. 9, no. 2, pp. 146-156

### **The impact of food reformulation on nutrient intakes and health, a systematic review of modelling studies**

FEDERICI, C. B., P. DETZEL, F. PETRACCA, L. DAINELLI, G. FATTORE, "The impact of food reformulation on nutrient intakes and health, a systematic review of modelling studies", BMC Nutrition, 2019, vol. 5, no. 2

### **Costs and effects of on-demand treatment of hereditary angioedema in Italy: a prospective cohort study of 167 patients**

FEDERICI, C. B., F. PEREGO, L. BORSOI, V. CROSTA, A. ZANICHELLI, A. GIDARO, R. TARRICONE, M. CICARDI, "Costs and effects of on-demand treatment of hereditary angioedema in Italy: a prospective cohort study of 167 patients", BMJ, 2018, vol. 8, no. 7, pp. e022291

### **Health Technology Assessment Methods Guidelines For Medical Devices: How Can We Address The Gaps? The International Federation Of Medical And Biological Engineering Perspective**

POLISENA, J., R. CASTALDO, O. CIANI, C. B. FEDERICI, S. BORSCI, M. RITROVATO, D. CLARK, L. PECCHIA, "Health Technology Assessment Methods Guidelines For Medical Devices: How Can We Address The Gaps? The International Federation Of Medical And Biological Engineering Perspective", International Journal of Technology Assessment in Health Care, 2018, vol. 34, no. 3, pp. 276-289

### **Health care costs of influenza-related episodes in high income countries: A systematic review**

FEDERICI, C. B., M. CAVAZZA, F. COSTA, C. JOMMI, "Health care costs of influenza-related episodes in high income countries: A systematic review", Plos One, 2018, vol. 13, no. 9, pp. e0202787

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## **Other**

### **Vaccinations in low-income countries: Why technology is not enough - Vaccinazioni nei paesi a basso reddito: perché l'elettronica non basta**

FEDERICI, C. B., M. CAVAZZA, A. TORBICA, V. MANGIATERRA, "Vaccinations in low-income countries: Why technology is not enough - Vaccinazioni nei paesi a basso reddito: perché l'elettronica non basta", SDA Bocconi Insight, 20 October 2025

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## **Contribution to Chapters, Books or Research Monographs**

### **Esiti di salute e performance del Servizio Sanitario Nazionale**

ARDITO, V., O. CIANI, C. B. FEDERICI, A. FURNARI, L. GIUDICE, A. PALVARINI, R. TARRICONE, "Esiti di salute e performance del Servizio Sanitario Nazionale" in Rapporto OASI 2025., CERGAS (Ed.), Egea, chap. 7, 2025

### **Esiti di salute e performance del Servizio Sanitario Nazionale**

ARDITO, V., O. CIANI, C. B. FEDERICI, A. FURNARI, L. GIUDICE, R. TARRICONE, "Esiti di salute e performance del Servizio Sanitario Nazionale" in Rapporto OASI 2024., CERGAS (Ed.), Egea, chap. 7, pp. 275-331, 2024

### **Esiti di salute e performance del Servizio Sanitario Nazionale**

ARDITO, V., L. BENETTI, O. CIANI, C. B. FEDERICI, A. FURNARI, R. TARRICONE, "Esiti di salute e performance del Servizio Sanitario Nazionale" in Rapporto OASI 2023., CERGAS (Ed.), Egea, chap. 7, pp. 267-316, 2023

### **Esiti di salute e performance del Servizio Sanitario Nazionale**

ARDITO, V., C. B. FEDERICI, A. FURNARI, O. CIANI, R. TARRICONE, "Esiti di salute e performance del Servizio Sanitario Nazionale" in Rapporto OASI 2022., CERGAS (Ed.), Egea, chap. 7, pp. 285-346, 2022

### **Esiti di salute e performance del Servizio Sanitario Nazionale**

ARDITO, V., O. CIANI, C. B. FEDERICI, A. FURNARI, A. FINCH, C. JOMMI, F. MALANDRINI, M. MEREGAGLIA, R. TARRICONE, "Esiti di salute e performance del Servizio Sanitario Nazionale" in Rapporto OASI 2021., Cergas (Ed.), Egea, chap. 7, pp. 303-359, 2021

### **Integrating HTA Principles into Procurement of Medical Devices: The Italian National HTA Programme for Medical Devices**

CALLEA, G., C. B. FEDERICI, O. CIANI, F. , M. AMATUCCI, L. BORSOI, R. TARRICONE, M. MARLETTA, "Integrating HTA Principles into Procurement of Medical Devices: The Italian National HTA Programme for Medical Devices" in XV Mediterranean Conference on Medical and Biological Engineering and Computing – MEDICON 2019., Jorge Henriques, Nuno Neves, Paulo de Carvalho (Eds.), Springer International Publishing, pp. 1777-1782, 2020

### **Esiti di salute e performance del Servizio Sanitario Nazionale**

CIANI, O., C. B. FEDERICI, A. FURNARI, B. PONGIGLIONE, R. TARRICONE, "Esiti di salute e performance del Servizio Sanitario Nazionale" in Rapporto OASI 2020., CERGAS (Ed.), Egea, chap. 7, pp. 291-343, 2020

### **Introduction to economic evaluation and health technology assessment**

CIANI, O., C. B. FEDERICI, "Introduction to economic evaluation and health technology assessment" in Clinical Engineering Handbook., E. Iadanza (Ed.), Elsevier, chap. 110, pp. 789-794, 2020

### **Esiti di salute e performance del Servizio Sanitario Nazionale**

CIANI, O., C. B. FEDERICI, A. FURNARI, R. TARRICONE, "Esiti di salute e performance del Servizio Sanitario Nazionale" in Rapporto OASI 2019., CERGAS (Ed.), Egea, chap. 7, pp. 275-312, 2019

### **Dinamiche economiche e performance del settore dei dispositivi medici in Italia**

ARMENI, P., F. COSTA, G. CALLEA, L. BORSOI, M. C. CAVALLO, O. CIANI, C. B. FEDERICI, R. TARRICONE, A. TORBICA, "Dinamiche economiche e performance del settore dei dispositivi medici in Italia" in Rapporto OASI 2019., CERGAS (Ed.), Egea, chap. 17, pp. 643-680, 2019

### **Gli esiti di salute del Servizio Sanitario Nazionale**

CIANI, O., C. B. FEDERICI, A. FURNARI, R. TARRICONE, "Gli esiti di salute del Servizio Sanitario Nazionale" in Rapporto OASI 2018. Osservatorio sulle aziende e sul sistema sanitario italiano., CERGAS (Ed.), Egea, pp.



### **The evaluation of medical devices: are we getting closer to solve the puzzle? A review of recent trends**

CIANI, O., C. B. FEDERICI, L. PECCHIA, "The evaluation of medical devices: are we getting closer to solve the puzzle? A review of recent trends" in EMBEC & NBC 2017., Hannu Eskola, Outi Väisänen, Jari Viik, Jari Hyttinen (Eds.), Springer Singapore, pp. 916-919, 2018

### **Programma Nazionale HTA per dispositivi medici: prove tecniche di implementazione**

TARRICONE, R., O. CIANI, F. AMATUCCI, P. ARMENI, L. BORSOI, G. CALLEA, F. COSTA, C. FEDERICI, A. TORBICA, M. MARLETTA, "Programma Nazionale HTA per dispositivi medici: prove tecniche di implementazione" in Rapporto OASI 2017., CERGAS (Ed.), Egea, chap. 15, pp. 535-553, 2017

### **Gli esiti di salute del Servizio Sanitario Nazionale**

BOSCOLO, P., O. CIANI, C. FEDERICI, A. FURNARI, R. TARRICONE, "Gli esiti di salute del Servizio Sanitario Nazionale" in Rapporto OASI 2017. Osservatorio sulle aziende e sul sistema sanitario italiano., CERGAS (Ed.), Egea, chap. 2, pp. 29-87, 2017

### **Current and Future Trends in the HTA of Medical Devices**

CIANI, O., C. B. FEDERICI, R. TARRICONE, "Current and Future Trends in the HTA of Medical Devices" in XIV Mediterranean Conference on Medical and Biological Engineering and Computing 2016., Efthymoulos Kyriacou, Stelios Christofides, Constantinos S. Pattichis (Eds.), Springer International Publishing, pp. 1345-1348, 2016

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## **Proceedings/Presentations**

### **The Costs of Deploying and Maintaining Digital Health Interventions to Improve Immunization and Vaccine Logistics Data Management in Low- and Middle- Income Countries. A multi-country study in Guinea, Honduras, Rwanda and Tanzania.**

VERYKIOU, M., C. B. FEDERICI, M. CAVAZZA, F. SABBATUCCI, C. JOMMI, C. HUGO, S. MALVOLTI, C. MANTEL, V. MANGIATERRA, J. CONDO, A. DELAMOU, E. RODRIGUEZ, L. CASTILLO, N. E. NTINGINYA, A. TORBICA, "The Costs of Deploying and Maintaining Digital Health Interventions to Improve Immunization and Vaccine Logistics Data Management in Low- and Middle- Income Countries. A multi-country study in Guinea, Honduras, Rwanda and Tanzania." in IHEA's 15th World Congress, July 8-12, 2023, Cape Town, South Africa

### **Recommendations for the design and implementation of an Early Feasibility Studies program for medical devices in Italy**

CALLEA, G., C. B. FEDERICI, R. FREDDI, R. TARRICONE, "Recommendations for the design and implementation of an Early Feasibility Studies program for medical devices in Italy" in Italian Health Economics Association (AIES), 26th Annual Conference, 2-3 December, 2021, Milano, Italy

### **Broadening the Concept of Value: A Scoping Review on the Option Value of Medical Technologies**



FORNARO, G., C. B. FEDERICI, C. ROGNONI, O. CIANI, "Broadening the Concept of Value: A Scoping Review on the Option Value of Medical Technologies" in EUHEA Conference (virtual), 9 July, 2020, Oslo, Norway

**Cost-effectiveness analysis of radiofrequency ablation in patients with Barrett Esophagus and high grade dysplasia in Italy**

CALLEA, G., C. B. FEDERICI, "Cost-effectiveness analysis of radiofrequency ablation in patients with Barrett Esophagus and high grade dysplasia in Italy" in ISPOR Conference, May 18-22, 2019, New Orleans, LA, United States of America

**Pushing the Boundaries of Existing Methods for Cost and Outcome Analysis of Medical Technologies: First Results from H2020 EU Project COMED**

TORBICA, A., B. PONGIGLIONE, O. CIANI, F. PETRACCA, C. B. FEDERICI, "Pushing the Boundaries of Existing Methods for Cost and Outcome Analysis of Medical Technologies: First Results from H2020 EU Project COMED" in AIES (Italian Health Economics Association), 24th Annual Conference, 3-4 October, 2019, Pisa, Italy

**Comparazione di Strategie Alternative di Modellizzazione per Analisi Costo-Efficacia: Applicazione al Trattamento in Prima Linea per Pazienti con Mieloma Multiplo non Eleggibili a Trapianto**

ROGNONI, C., C. B. FEDERICI, O. CIANI, "Comparazione di Strategie Alternative di Modellizzazione per Analisi Costo-Efficacia: Applicazione al Trattamento in Prima Linea per Pazienti con Mieloma Multiplo non Eleggibili a Trapianto" in AIES (Italian Health Economics Association), 24th Annual Conference, 3-4 October, 2019, Pisa, Italy

**Inclusion Of Learning Curve Effects In Economic Evaluations Of Medical Devices- Empirical Evidence For Hta**

ARMENI, P., C. B. FEDERICI, F. COSTA, R. TARRICONE, A. TORBICA, G. CALLEA, "Inclusion Of Learning Curve Effects In Economic Evaluations Of Medical Devices- Empirical Evidence For Hta" in ISPOR 22nd Annual International Meeting - May 20-24, 2017, Boston, MA, United States of America

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## Editorials in Journal

**A Value-based Revolution in Health Care: Perspectives, Challenges, and Emerging Approaches to Defining and Measuring the Value of Health Care Technologies**

FEDERICI, C. B., P. ARMENI, G. CALLEA, "A Value-based Revolution in Health Care: Perspectives, Challenges, and Emerging Approaches to Defining and Measuring the Value of Health Care Technologies", Clinical Therapeutics, 2020, vol. 42, no. 1, pp. 11-14

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## Comments, Discussions, Replies in Journal

**Expanding the Role of Early Health Economic Modelling in Evaluation of Health Technologies Comment on "Problems and Promises of Health Technologies: The Role of Early Health Economic Modeling"**

FEDERICI, C. B., A. TORBICA, "Expanding the Role of Early Health Economic Modelling in Evaluation of Health Technologies Comment on "Problems and Promises of Health Technologies: The Role of Early Health Economic Modeling"", International Journal of Health Policy and Management, 2020, vol. 10, no. 2, pp. 102-105

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## **Editorship of Special Issues**

### **Pharmacoeconomics, Outcomes, and Health Policy Update**

ARMENI, P., G. CALLEA, C. B. FEDERICI - "Pharmacoeconomics, Outcomes, and Health Policy Update" - 2020, Clinical Therapeutics