1. Record Nr. UNINA9910703011803321

Titolo	Hearing on National Defense Authorization Act for Fiscal Year 2011 and oversight of previously authorized programs before the Committee on Armed Services, House of Representatives, One Hundred Eleventh Congress, second session [[electronic resource]] : Seapower and Expeditionary Forces Subcommittee hearing on budget request for Department of the Navy shipbuilding acquisition programs, hearing held March 3, 2010
Pubbl/distr/stampa	Washington : , : U.S. G.P.O., , 2010
Descrizione fisica	1 online resource (iv, 109 pages)
Soggetti	Warships - Purchasing - United States Shipbuilding - United States - Finance
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Feb. 8, 2011). Paper version available for sale by the Supt. of Docs., U.S. G.P.O. "H.A.S.C. no. 111-129."

2. Record Nr. UNINA9910766886003321

Titolo	Artificial Intelligence in Anesthesiology / / edited by Ming Xia, Hong Jiang
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	9789819959259 981995925X
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (113 pages)
Disciplina	617.96072
Soggetti	Anesthesiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Artificial Intelligence: An Overview -- Machine Learning and Learning Algorithms in Artificial Intelligence -- Assistance of Artificial Intelligence in Ultrasound-Based Procedures -- Artificial Intelligence in Anesthesia Control and Monitoring -- Artificial Intelligence in Airway Management -- Artificial Intelligence in Prediction for Hypotension and Hypoxemia -- Artificial Intelligence in Prediction and Management of PONV -- Artificial Intelligence and Pain Management -- Application of Artificial intelligence in Operating Room and ICU Logistics -- Clinical Decision Support System (CDSS) -- Artificial Intelligence in Clinical Skill Training and Assessment -- Limitations and Ethical Implications of Artificial Intelligence.
Sommario/riassunto	Considering the rapid developments in digital and information technologies, artificial intelligence has long been a hot topic in medicine. This book discusses applications of artificial intelligence in anaesthesiology, including control of anesthesia, risk prediction, ultrasound guidance, pain management, and operating room logistics. This book first defines basic concepts of AI, and give a brief overview of a few algorithms frequently used in AI and machine learning. A review of current AI and machine learning applications for the prediction of anesthesia conditions is also discussed, including those for the prediction of difficult airways before surgery, of adverse events and sedation effects during surgery, and of vomiting and pain after surgery. Even without extensive promotion and clinical application, AI is in

development in anesthesiology; furthermore, it has a great deal of potential to maintain further development in the future. Lastly, ethical and safety considerations are discussed alongside AI limitations and challenges in anesthesiology.