

Contents

The COVID-19 Pandemia – Challenges in Laboratory Medicine

Shneh Sethi and Trinad Chakraborty

Molecular (real-time reverse transcription polymerase chain reaction) diagnosis of SARS-CoV-2 infections: complexity and challenges — 135

Mustafa Özcürümez, Antonios Katsounas, Stefan Holdenrieder, Alexander von Meyer, Harald Renz and Roman Wölfel

Assessment of SARS-CoV-2 rapid antigen tests — 143

Xiaoping Xu, Shuqian Cai, Wei Chen, Huabin Wang and Junqi Wu

Analysis of blood index characteristics in COVID-19 patients and their associations with different outcomes — 149

Opinion Paper

Peter B. Lupp, Holger F. Rabenau, Norbert Gässler, Daniela Huzly, Matthias Nauck, Udo Reischl, Christoph Schoerner and Heinz Zeichhardt for the Participating Professional Societies

Rational clinical use of near-patient analytical systems for molecular detection of infectious agents — 159

Review

Mengistu Abayneh, Shewangizaw HaileMariam and Molla Asnake

Bacterial profile and multi-drug resistance pattern of bacterial isolates among septicemia suspected cases: a meta-analysis report in Ethiopia — 167

Original Articles

Qing Yu, Ruhong Tan, Jiayi Zhao, Qixian Zhou, Fen Zheng and Xiangxin Li

Parvovirus B19 associated autoantibodies upregulation in women and children in Southern China — 179

Dao-Hai Cheng, Zhen-Guang Huang and Jing-Bing Zhu
Effect of sample heating on results of therapeutic drug monitoring — 183

Short Communication

Nobuhisa Ishiguro, Hideaki Kikuta, Mutsuko Konno, Rikako Sato and Atsushi Manabe

Evaluation of a novel immunochromatographic assay using silver amplification technology for detection of *Mycoplasma pneumoniae* from throat swab samples in pediatric patients — 189