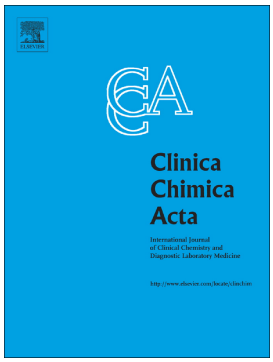


# 5th generation cardiac troponin I and T assays in clinical routine – A head-to-head comparison with data from the Linz troponin (LITROP) study

Thomas Mueller, Margot Egger, Evi Peer, Benjamin Dieplinger

PII: S0009-8981(18)30313-9
DOI: doi:10.1016/j.cca.2018.06.027
Reference: CCA 15263

To appear in: *Clinica Chimica Acta*

Received date: 28 May 2018
Revised date: 13 June 2018
Accepted date: 21 June 2018

Please cite this article as: Thomas Mueller, Margot Egger, Evi Peer, Benjamin Dieplinger , 5th generation cardiac troponin I and T assays in clinical routine – A head-to-head comparison with data from the Linz troponin (LITROP) study. Cca (2018), doi:10.1016/j.cca.2018.06.027

# 5th generation cardiac troponin I and T assays in clinical routine – a head-to-head comparison with data from the Linz Troponin (LITROP) study

Thomas Mueller[1]*, Margot Egger[2], Evi Peer[1], Benjamin Dieplinger[2]

[1] Department of Clinical Pathology, Hospital of Bolzano, Bolzano, Italy

[2] Department of Laboratory Medicine, Konventhospital Barmherzige Brueder Linz, Linz, Austria

* Address correspondence to this author at: Department of Clinical Pathology, Hospital of Bolzano, Via Lorenz Boehler 5, 39100 Bolzano, Italy; fax: +39 0471 907 462; phone: +39 0471 908 306; e-mail thomas.mueller@sabes.it

Abbreviations: AUC, area under the curve; CI, confidence interval; CRP, C-reactive protein; CV, coefficient of variation; cTnI; cardiac troponin I; cTnT, cardiac troponin T; hs-cTnI, EDTA, ethylenediaminetetraacetic acid; eGFR, estimated glomerular filtration rate; high-sensitivity cardiac troponin I; LOD, limit of detection; hs-cTnT, high-sensitivity cardiac troponin T; IQR, interquartile range; NSTEMI, non-ST-elevation myocardial infarction; ROC, receiver operating characteristic; STEMI, ST-elevation myocardial infarction; URL, upper reference limit.