Postmortem urotensin receptor expression level for diagnosis of myocardial infarction-related deaths

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Accepted: 8 July 2014 / Published online: 23 August 2014
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Sir, the report entitled “Can early myocardial infarction-related deaths be diagnosed using postmortem urotensin receptor expression levels?” is very interesting [1]. Sener et al. mentioned that “increased postmortem UR expression could serve as a biomarker to aid diagnosis of early MI” (myocardial infarction). There are some considerations of this report. First, there is no doubt the use of the urotensin receptor expression level might have some diagnostic advantage; however, the important problem is the availability of the test. In fact, there are some easier alternatives that could be good choices for postmortem diagnosis of MI. One good example is troponin T; Zhu et al. [2] noted the elevation in postmortem blood and pericardial cTnT levels in sudden cardiac death can reflect the severity of ischemic myocardial damage. Second, because the alteration of urotensin receptor expression can be seen in any case with a renal problem [3], if the

decedent has an underlying renal disorder, an incorrect diagnosis might be possible.

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