Retraction Statement

Paper by J. Boldt, B. von Bormann, D. Kling, U. Börner, J. Mulch, G. Hempelmann:
Volume replacement with a new hydroxyethyl starch preparation (3 percent HES 200/0.5) in heart surgery. Infusionsther Klin Ernahr 1986;13:145–151

An external revision showed that substantial parts of the papers 'Colloid osmotic pressure and extravascular lung water following extracorporeal circulation' by J. Boldt, B. von Bormann, D. Kling, U. Börner, J. Mulch, G. Hempelmann published in Herz 1985; 10(6):366–375 and 'Volume replacement with a new hydroxyethyl starch preparation (3 percent HES 200/0.5) in heart surgery' by J. Boldt, B. von Bormann, D. Kling, U. Börner, J. Mulch, G. Hempelmann published in Infusionsther Klin Ernahr 1986;13(3):145–151 are identical. The measured data of the parameters 'lung water', 'hemodynamics', 'oxygenation' etc. of the patient groups I (human albumin) and II (HES) are identical (including standard deviations). This is also true for the demographic data and values of excretion, blood loss, transfusion etc. Moreover, the same time points for measurement are chosen, and no new parameters were investigated.

In the later paper, published in Infusionstherapie und Klinische Ernährung (now Transfusion Medicine and Hemotherapy) in 1986, only the control group was increased by n = 2, and a further group (gelatine) was added. Whether or not the 11 patients originate from the control group of the earlier paper, cannot definitely be ascertained, but the groups I and II are absolutely identical. Only individual percent values vary marginally due to the slightly altered sample composition. Thus it is obvious that the later study repeats important contents of the above mentioned paper from 1985 published in Herz. Neither in the text nor in the references does one find any hint regarding the previously published article.