Supporting Information to

Laser ablation-ICP-TOFMS imaging of germ cell tumors of patients undergoing platinum-based chemotherapy

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Figure S1. Signal intensity maps of (A) $^{26}$Mg$^+$, (B) $^{31}$P$^+$, (C) $^{32}$S$^+$, (D) $^{44}$Ca$^+$, (E) $^{56}$Fe$^+$, (F) $^{63}$Cu$^+$, (G) $^{158}$Gd$^+$ and (H) $^{195}$Pt$^+$ of a germ cell tumor tissue section of patient 1 obtained by LA-ICP-TOFMS imaging and the corresponding HE stained section of an adjacent slide. The following laser parameters were used: a square spot size of 20 µm, a fixed dosage mode of 2 and a repetition rate of 30 Hz. The parallel line scans overlapped one another by 10 µm.
Figure S2. Signal intensity maps of (A) $^{31}\text{P}^+$, (B) $^{32}\text{S}^+$, (C) $^{158}\text{Gd}^+$ and (D) $^{195}\text{Pt}^+$ of a germ cell tumor tissue section of patient 2 obtained by LA-ICP-TOFMS imaging and the corresponding HE stained section of an adjacent slide. The following laser parameters were used: a square spot size of 20 µm, a fixed dosage mode of 2 and a repetition rate of 30 Hz. The parallel line scans overlapped one another by 10 µm.
Figure S3. Correlation of the histology with the elemental distribution pattern obtained by LA-ICP-TOFMS. HE stained slide of a germ cell tumor section of patient 1 and overlay of $^{195}\text{Pt}^+$ (red) and $^{32}\text{S}^+$ (green) intensity maps. The following laser parameters were used: a square spot size of 20 µm, a fixed dosage mode of 2 and a repetition rate of 30 Hz. The parallel line scans overlapped one another by 10 µm.
Figure S4. Signal intensity maps of (A) $^{31}$P$^+$ and (B) $^{158}$Gd$^+$ of a germ cell tumor tissue section of patient 3 (control sample) obtained by LA-ICP-TOFMS imaging and the corresponding HE stained section of an adjacent slide. The following laser parameters were used: a square spot size of 20 µm, a fixed dosage mode of 2 and a repetition rate of 30 Hz. The parallel line scans overlapped one another by 10 µm.