Iodine accumulation of the liver in patients treated with amiodarone can be
unmasked using material decomposition from multiphase spectral-detector CT

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## Supplementary Table 1 - Amiodarone patients of the additional patient group

| Patient | Gender | Age | Amiodarone dose per day [mg] | Treatment duration [months] |
|---------|--------|-----|-------------------------------|-----------------------------|
| 1       | female | 93  | 200                           | 69                          |
| 2       | male   | 77  | 200                           | 2                           |
| 3       | female | 61  | 200                           | 27                          |
| 4       | female | 79  | 200                           | 6                           |
| 5       | male   | 76  | 200                           | 4                           |
| 6       | female | 95  | 200                           | 3                           |
| 7       | male   | 77  | 200                           | 4                           |
| 8       | male   | 57  | 200                           | 5                           |
| 9       | male   | 76  | 200                           | 3                           |
| 10      | female | 78  | 200                           | 3                           |
| 11      | female | 81  | 200                           | 6                           |
Supplementary Figure 1: Box-plot diagram displaying attenuation in liver and liver attenuation index (LAI) in A) true non-contrast (TNC), B) virtual non-contrast (VNC) from the unenhanced chest scan in the additional patient group.

A), Patients receiving amiodarone treatment showed significantly higher liver attenuation and LAI indicating that amiodarone accumulation in the liver artificially increased attenuation values of the liver.
B) Contrary to TNC, liver attenuation and LAI in VNC images of patients treated with amiodarone were comparable without significant differences to patients that have not been treated with amiodarone indicating that VNC is also able to subtract the iodine from amiodarone accumulated in the liver.