

| Value of κ | Level of agreement |
|-------------------|--------------------------|
| < 0 | No agreement |
| 0 - 0.20 | None to slight agreement |
| 0.21 - 0.40 | Fair agreement |
| 0.41 - 0.60 | Moderate agreement |
| 0.61 - 0.80 | Substantial agreement |
| 0.81 - 1.00 | Almost perfect agreement |

Table S1: Interpretation of Cohen's Kappa coefficient κ as proposed by Landis and Koch [11].

| TAUS x MRI Crosstabulation | | | | | | | | |
|----------------------------|-------|-------|---------------------------|---------------|---|--------------------------|----|-------|
| Count | | | | | | | | |
| | | MRI | | | | | | Total |
| | | 1 | 2 | 3 | 5 | 6 | 7 | |
| TAUS | 0 | 9 | 2 | 0 | 1 | 0 | 3 | 15 |
| | 1 | 6 | 1 | 0 | 0 | 0 | 0 | 7 |
| | 2 | 2 | 1 | 0 | 0 | 2 | 0 | 5 |
| | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | 6 | 19 | 0 | 0 | 3 | 0 | 5 | 27 |
| | 7 | 10 | 3 | 2 | 0 | 3 | 5 | 23 |
| Total | | 47 | 7 | 2 | 5 | 5 | 13 | 79 |
| Symmetric measures | | | | | | | | |
| | | Value | Asymptotic Standard Error | Approximate T | | Approximate significance | | |
| Measure of agreement | Kappa | 0,041 | 0,038 | 1,132 | | 0,258 | | |
| N of valid cases | | 79 | | | | | | |

Table S2: The crosstabulation displays all cases including those patients in whom the pancreas could not be visualized by TAUS.

TAUS x MRI Crosstabulation

Count

| Experienced investigators | | MRI | | | | | | Total |
|-----------------------------------|---|-----|---|---|---|---|---|-------|
| | | 1 | 2 | 3 | 5 | 6 | 7 | |
| TAUS | 1 | 4 | | 0 | 0 | 0 | 0 | 4 |
| | 2 | 2 | | 0 | 0 | 2 | 0 | 4 |
| | 3 | 1 | | 0 | 0 | 0 | 0 | 1 |
| | 5 | 0 | | 0 | 1 | 0 | 0 | 1 |
| | 6 | 8 | | 0 | 1 | 0 | 2 | 11 |
| | 7 | 3 | | 1 | 0 | 1 | 2 | 7 |
| Total | | 18 | | 1 | 2 | 3 | 4 | 28 |
| Basic-level trained investigators | | MRI | | | | | | Total |
| | | 1 | 2 | 3 | 5 | 6 | 7 | |
| TAUS | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 3 |
| | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | 6 | 11 | 0 | 0 | 2 | 0 | 3 | 16 |
| | 7 | 7 | 3 | 1 | 0 | 2 | 3 | 16 |
| Total | | 20 | 5 | 1 | 2 | 2 | 6 | 36 |
| All investigators | | MRI | | | | | | Total |
| | | 1 | 2 | 3 | 5 | 6 | 7 | |
| TAUS | 1 | 6 | 1 | 0 | 0 | 0 | 0 | 7 |
| | 2 | 2 | 1 | 0 | 0 | 2 | 0 | 5 |
| | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | 6 | 19 | 0 | 0 | 3 | 0 | 5 | 27 |
| | 7 | 10 | 3 | 2 | 0 | 3 | 5 | 23 |

| | | | | | | | |
|-------|----|---|---|---|---|----|----|
| Total | 38 | 5 | 2 | 4 | 5 | 10 | 64 |
|-------|----|---|---|---|---|----|----|

| | | Symmetric measures | | | | |
|-----------------------------------|----------------------|--------------------|---------------------------|---------------|--------------------------|-------|
| | | Value | Asymptotic Standard Error | Approximate T | Approximate significance | |
| Experienced investigators | Measure of agreement | Kappa | 0,093 | 0,078 | 1,307 | 0,191 |
| | N of valid cases | | 28 | | | |
| Basic-level trained investigators | Measure of agreement | Kappa | 0,021 | 0,060 | 0,369 | 0,712 |
| | N of valid cases | | 36 | | | |
| All investigators | Measure of agreement | Kappa | 0,050 | 0,049 | 1,074 | 0,283 |
| | N of valid cases | | 64 | | | |

Table S3: The crosstabulation displays all cases excluding those patients in whom the pancreas could not be visualized by TAUS. Besides the entirety of TAUS investigators, inter-modal agreement between TAUS and MRI was separately calculated within the group of experienced and basic-level trained investigators.

| All investigators | PCL detectable on MRI | PCL not detectable on MRI | Total |
|----------------------------|-----------------------|---------------------------|-------|
| PCL detectable on TAUS | 32 | 5 | 37 |
| PCL not detectable on TAUS | 27 | 0 | 27 |
| | 59 | 5 | 64 |

Sensitivity: 0.54 (0.41, 0.67)
 Specificity: 0.00 (0.00, 0.52)
 Positive predictive value: 0.86 (0.71, 0.95)
 Negative predictive value: 0.00 (0.00, 0.13)

| Experienced investigators | PCL detectable on MRI | PCL not detectable on MRI | Total |
|----------------------------|-----------------------|---------------------------|-------|
| PCL detectable on TAUS | 14 | 3 | 17 |
| PCL not detectable on TAUS | 11 | 0 | 11 |

| | | | |
|--|----|---|----|
| | 25 | 3 | 28 |
|--|----|---|----|

Sensitivity: 0.56 (0.35, 0.76)
 Specificity: 0.00 (0.00, 0.71)
 Positive predictive value: 0.82 (0.57, 0.96)
 Negative predictive value: 0.00 (0.00, 0.28)

| Basic-level trained investigators | PCL detectable on MRI | PCL not detectable on MRI | Total |
|--|-----------------------|---------------------------|-------|
| PCL detectable on TAUS | 18 | 2 | 20 |
| PCL not detectable on TAUS | 16 | 0 | 16 |
| | 34 | 2 | 36 |

Sensitivity: 0.53 (0.35, 0.70)
 Specificity: 0.00 (0.00, 0.84)
 Positive predictive value: 0.90 (0.68, 0.99)
 Negative predictive value: 0.00 (0.00, 0.21)

Table S4: Illustration of deriving sensitivity and positive predictive value of TAUS-based PCL detection compared to MRI results. All point estimates are reported with their 95 % confidence intervals. Calculation of metrics was further stratified for the training level of investigators (**a**) experienced investigators, **b**) basic-level trained investigators.