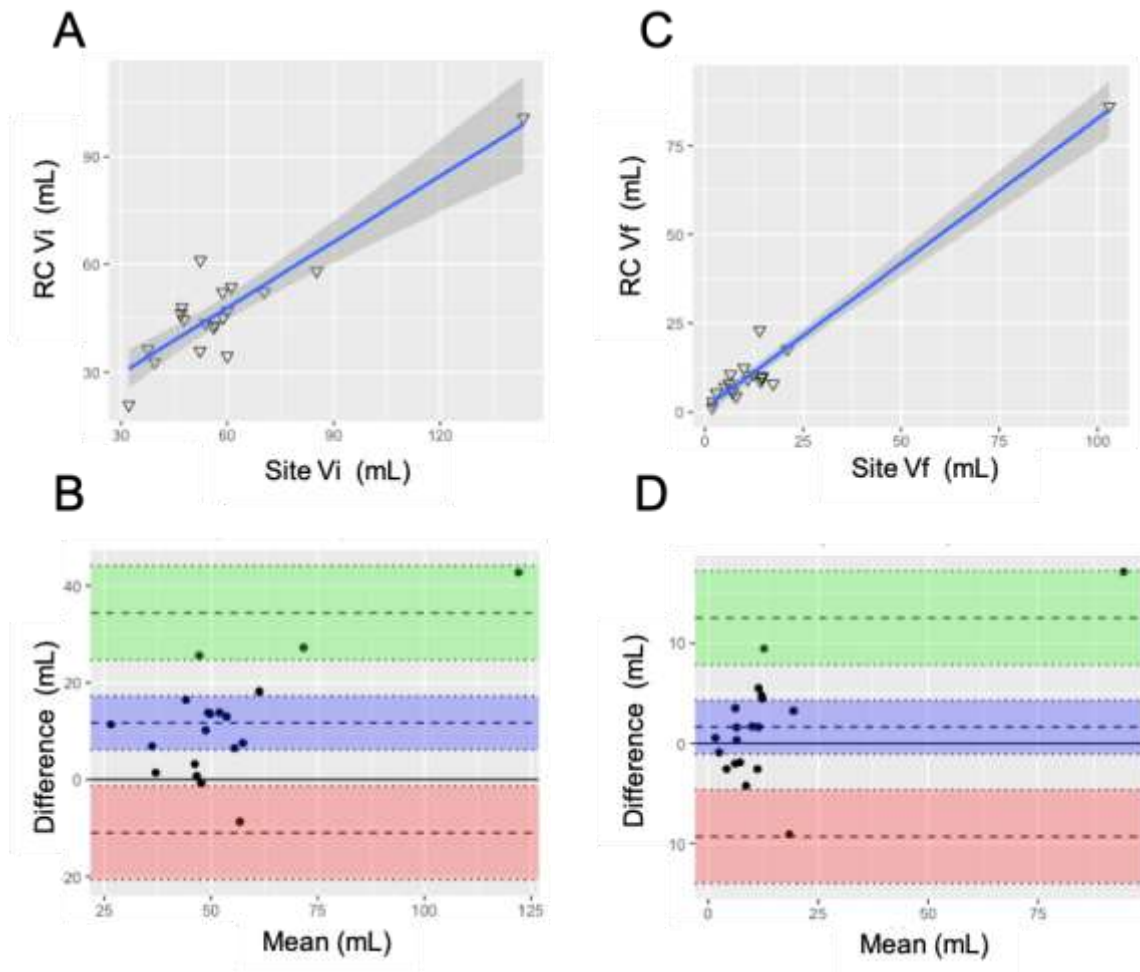


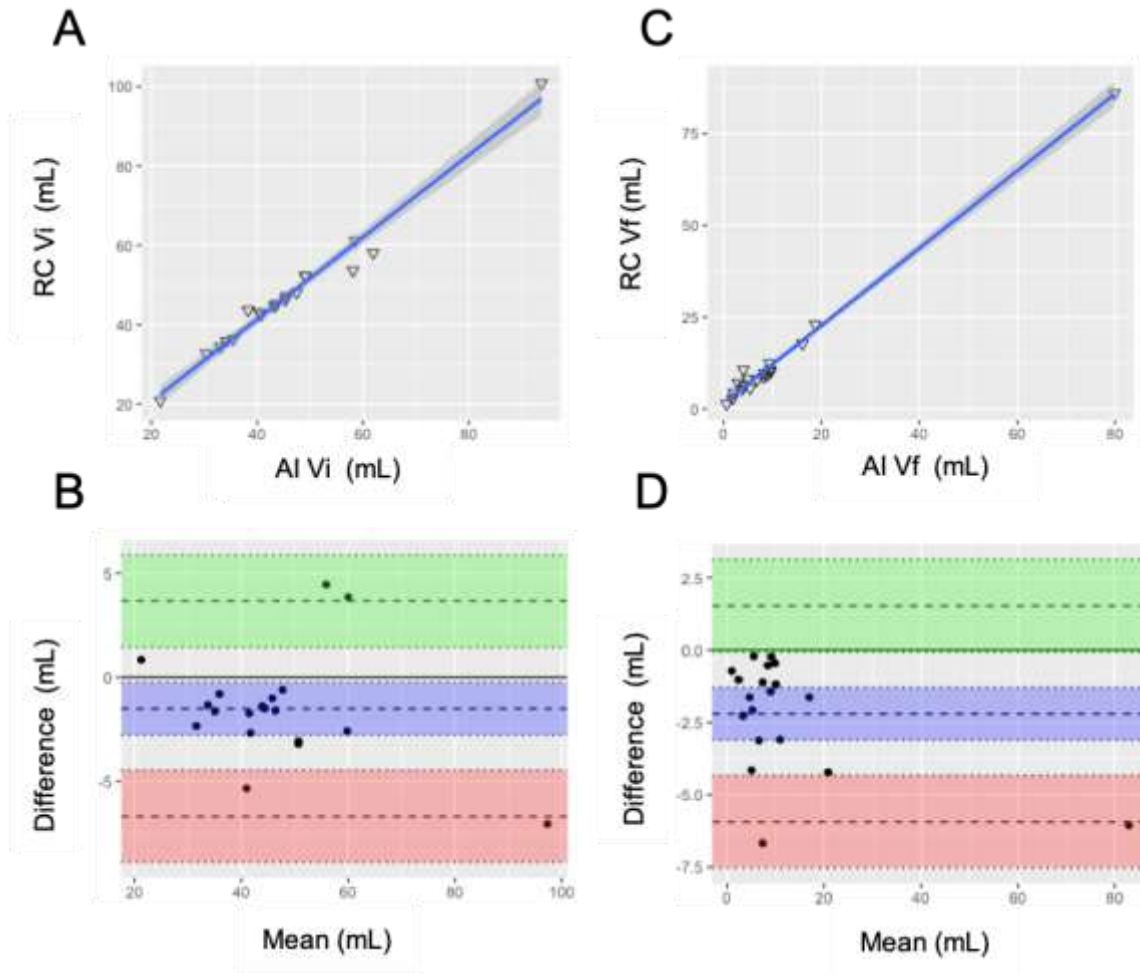
**SUPPLEMENTARY MATERIAL**

| <b>Reason for exclusion</b>                       | <b>N of patients</b> |
|---|----------------------|
| <b>Volume &lt; 30mL</b>                           | 176                  |
| <b>Infratentorial hemorrhage</b>                  | 38                   |
| <b>Evolving intracranial compartment syndrome</b> | 12                   |
| <b>Irreversible impaired brainstem function</b>   | 9                    |
| <b>Pre-existent comorbidities</b>                 | 7                    |
| <b>Unstable hemorrhage</b>                        | 6                    |
| <b>GCS 15</b>                                     | 5                    |
| <b>Unexpected to survive</b>                      | 4                    |
| <b>NIHSS &lt; 6</b>                               | 3                    |
| <b>Unknown onset of symptoms</b>                  | 2                    |
| <b>Irreversible coagulopathy</b>                  | 2                    |
| <b>Underlying vascular malformation</b>           | 2                    |
| <b>Symptoms onset &gt; 24 hours</b>               | 1                    |

**Supplemental Table 1.** Of 286 patients presenting with ICH over 3 years and 5 months, 267 did not meet MISTIE eligibility. The table specifies the reasons for exclusion and number of patients with each exclusion



**Supplemental Figure 1.** **A.** correlation between initial volume reads (Vi) between the reading center (RC) and the site, blue line represents linear fit with the grey margins representing 95% C.I. ( $r = 0.90, p < 0.001$ ) **B.** bland-Altman plot for initial volume reads (Vi) between the reading center (RC) and the site. (bias = -11.69 mL, lower limit of agreement = -34.38, upper limit of agreement = 11.01) **C.** Correlation between final volume reads (Vf) between the reading center (RC) and the site, blue line represents linear fit with the grey margins representing 95% C.I. ( $r = 0.97, p < 0.001$ ) **D.** Bland-Altman plot for final volume reads (Vf) between the reading center (RC) and the site. (bias = -1.60 mL, lower limit of agreement = -12.52, upper limit of agreement = 9.31)



**Supplemental Figure 2.** **A.** correlation between initial volume reads (Vi) between the reading center (RC) and the 3D convolutional neural network (AI) method, blue line represents linear fit with the grey margins representing 95% C.I. ( $r=0.99$ ,  $p<0.001$ ) **B.** bland-Altman plot for initial volume reads (Vi) between the reading center (RC) and the 3D convolutional neural network (AI) method (bias=1.5 mL, lower limit of agreement= -3.7, upper limit of agreement = 6.7). **C.** correlation between final volume reads (Vf) between the reading center (RC) and the 3D convolutional neural network (AI) method, blue line represents linear fit with the grey margins representing 95% C.I. ( $r=0.99$ ,  $p<0.001$ ) **D.** Bland-Altman plot for final volume reads (Vf) between the reading center (RC) and the 3D convolutional neural network (AI) method (bias=2.2 mL, lower limit of agreement= -1.5, upper limit of agreement = 5.9)

## Supplemental References

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