### Supplementary Table S1  
Comparison of thrombin generation by type of caesarean section at T1 (antepartum)

| Time Point 1 | N  | Lag time (min) | ETP (nM/min) | Peak thrombin (nM) | Time to peak (min) |
|--------------|----|----------------|--------------|--------------------|-------------------|
| Elective CS mean (SD) | 37 | 6.7 (1.7) | 1527 (381.9) | 209 (81) | 11 (2.2) |
| Emergency CS mean (SD) | 18 | 5.8 (1.3) | 1776 (299.1) | 251 (75) | 9.6 (1.9) |
| Mean difference, 95% CI | 0.9, 0.04–1.8 | –249, –455 to 43 | –42, –87 to 3.7 | 1.4, 0.2–2.7 |
| p-Value | 0.04 | 0.02 | 0.07 | 0.02 |

Abbreviations: CI, confidence interval; CS, caesarean section; ETP, endogenous thrombin potential; SD, standard deviation.

### Supplementary Table S2  
Comparison of D-dimer (ng/mL) across subgroups including elective and emergency caesarean section, showing median and IQR with p-values

|  | N | Vaginal delivery | N | Elective CS | N | Emergency CS | p-Value |
|---|---|-----------------|---|-------------|---|-------------|---------|
| T1 | 24 | 1780 (1010–2115) | 40 | 1850 (1285–2965) | 20 | 2441 (1552–2610) | 0.03<sup>b</sup> |
| T2 | 29 | 3190 (2190–3670) | 40 | 4491 (2557–6755) | 16 | 4507 (3082–7247) | 0.02<sup>a</sup> |
| T3 | 32 | 1798 (1048–3670) | 41 | 3409 (1575–4695) | 22 | 2700 (1920–3152) | 0.001<sup>a</sup> |
| T4 | 20 | 1966 (644–3182) | 28 | 2090 (1175–2905) | 15 | 2250 (1540–8000) | 0.012<sup>b</sup> |
| T5 | 28 | 423 (270–480) | 33 | 320 (270–450) | 17 | 819 (290–885) | NS |

Abbreviations: CS, caesarean section; IQR, interquartile ranges; T1, predelivery; T2, postdelivery; T3, post-enoxaparin; T4, 1w postpartum; T5, 6w postpartum; VD, vaginal delivery.

<sup>a</sup>For both VD vs. emergency CS and VD vs. elective CS.

<sup>b</sup>For VD vs. emergency CS.
**Supplementary Table S3** Comparison of TEM parameters in women with vaginal deliveries compared with elective caesarean sections, showing the means ± 1 SD for each group following adjustment in cases of significance for BMI, parity, time since enoxaparin for T3 and baseline values (defined as T5)

| Mode of Delivery | TEM Parameters | p-Value | Mean Difference (95% CIs) |
|------------------|----------------|---------|--------------------------|
|                  | EXTEM CT (s)   |         |                          |
| Vaginal delivery, n = 24 | 50.9 ± 6.1    | 0.17    | 2.2 (-1 to 5.3)           |
| Elective caesarean section, n = 39 | 53.1 ± 6.0   | 0.1    | 2.2 (-1.0 to 5.3)         |
| Mean difference (95% CIs) | 2.2 (-1.0 to 5.3) | 0.17    | 1.9 (-4.2 to 8.0)         |
| p-Value | 0.17          |         |                          |
|                  | EXTEM CFT (s)  |         |                          |
| Vaginal delivery, n = 24 | 58.1 ± 11.1   | 0.54    | 1.9 (-4.2 to 8.0)         |
| Elective caesarean section, n = 39 | 60.0 ± 12.2  | 0.50    | 1.9 (-4.2 to 8.0)         |
| Mean difference (95% CIs) | 2.2 (-1.0 to 5.3) | 0.17    | 1.9 (-4.2 to 8.0)         |
| p-Value | 0.17          |         |                          |
|                  | EXTEM MCF (mm) |         |                          |
| Vaginal delivery, n = 24 | 74.2 ± 3.1    | 0.28    | -1.0 (-2.7 to 0.8)        |
| Elective caesarean section, n = 39 | 73.3 ± 3.5   | 0.19    | -1.0 (-1.3 to 1.8)        |
| Mean difference (95% CIs) | 2.2 (-1.0 to 5.3) | 0.17    | 1.9 (-4.2 to 8.0)         |
| p-Value | 0.17          |         |                          |
|                  | INTEM CT (s)   |         |                          |
| Vaginal delivery, n = 24 | 168.8 ± 26.7  | 0.024 (0.16 adj) | 4.1 (-2.1 to 10.4) |
| Elective caesarean section, n = 39 | 153.7 ± 24.2 | 0.17    | 1.9 (-4.2 to 8.0)         |
| Mean difference (95% CIs) | 2.2 (-1.0 to 5.3) | 0.17    | 1.9 (-4.2 to 8.0)         |
| p-Value | 0.17          |         |                          |
|                  | INTEM CFT (s)  |         |                          |
| Vaginal delivery, n = 24 | 51.7 ± 10.6   | 0.17    | -1.5 (-2.8 to 1.2)        |
| Elective caesarean section, n = 39 | 55.8 ± 12.8  | 0.17    | -1.5 (-2.8 to 1.2)        |
| Mean difference (95% CIs) | 2.2 (-1.0 to 5.3) | 0.17    | 1.9 (-4.2 to 8.0)         |
| p-Value | 0.17          |         |                          |
|                  | INTEM MCF (mm) |         |                          |
| Vaginal delivery, n = 24 | 723.3 ± 3.4   | 0.17    | -1.4 (-3.4 to 0.6)        |
| Elective caesarean section, n = 39 | 709.9 ± 4.4  | 0.17    | -1.4 (-3.4 to 0.6)        |
| Mean difference (95% CIs) | 2.2 (-1.0 to 5.3) | 0.17    | 1.9 (-4.2 to 8.0)         |
| p-Value | 0.17          |         |                          |
|                  | FIBTEM MCF (mm)|         |                          |
| Vaginal delivery, n = 24 | 28.0 ± 4.4    | 0.004 (0.008 adj) | 1.1 (-5.4 to -1)          |
| Elective caesarean section, n = 39 | 24.8 ± 4.4   | 0.004 (0.008 adj) | 1.1 (-5.4 to -1)          |
| Mean difference (95% CIs) | 2.2 (-1.0 to 5.3) | 0.17    | 1.9 (-4.2 to 8.0)         |
| p-Value | 0.17          |         |                          |

Abbreviations: adj, adjusted; BMI, body mass index; CFT, clot formation time; CI, confidence interval; CT, clotting time; MCF, maximum clot firmness; SD, standard deviation; T1, predelivery; T2, postdelivery; T3, post-enoxaparin; T4, 1w postpartum; T5, 6w postpartum; TEM, thromboelastometry.
**Supplementary Table S4** Comparison of TEM parameters in women with vaginal deliveries compared with emergency caesarean sections, showing the means ± 1 SD for each group, following adjustment in cases of significance for BMI, parity, time since enoxaparin for T3 and baseline values (defined as T5)

| T1 | EXTEM CT (s) | EXTEM CFT (s) | EXTEM MCF (mm) | INTEM CT (s) | INTEM CFT (s) | INTEM MCF (mm) | FIBTEM MCF (mm) |
|----|--------------|---------------|----------------|--------------|---------------|----------------|-----------------|
| Vaginal delivery, n = 24 | 50.9 ± 6.1 | 58.1 ± 11.1 | 74.2 ± 3.1 | 168.8 ± 26.7 | 51.7 ± 10.6 | 72.3 ± 3.4 | 28.0 ± 4.4 |
| Emergency CS, n = 20 | 54.4 ± 8.1 | 58.7 ± 8.2 | 74 ± 3.1 | 151.9 ± 28.9 | 52.5 ± 9.8 | 72.3 ± 3.5 | 24.4 ± 4.4 |
| Mean difference (95% CIs) | 3.4 (−0.9 to 7.8) | 0.6 (−5.5 to 6.6) | −0.3 (−2.2 to 1.6) | −16.9 (−33.8 to −0.04) | 0.8 (−5.4 to 6.9) | 0 (−2.1 to 2.1) | −3.3 (−5.8 to −0.7) |
| p-Value | 0.12 | 0.85 | 0.78 | 0.051 | 0.80 | 1.0 | 0.014 (0.035 adj) |

| T2 | | | | | | | |
| Vaginal delivery, n = 30 | 49.5 ± 5.5 | 59.3 ± 21.9 | 72.7 ± 9.4 | 142.9 ± 26.4 | 48.3 ± 10 | 73.2 ± 3.1 | 29.7 ± 10.1 |
| Emergency CS, n = 16 | 52.4 ± 6.1 | 64.4 ± 11.3 | 72 ± 3.5 | 157.3 ± 27.8 | 55.3 ± 8.4 | 70.2 ± 3.3 | 24 ± 5.5 |
| Mean difference (95% CIs) | 2.8 (−0.7 to 6.4) | 5.1 (−6.7 to 16.9) | −0.7 (−5.6 to 4.2) | 14.4 (−2.7 to 31.6) | 7 (0.9−13.1) | −3 (−5 to 1) | −5.7 (−11.4 to −0.01) |
| p-Value | 0.12 | 0.39 | 0.78 | 0.10 | 0.025 (0.23 adj) | 0.004 (0.023 adj) | 0.05 |

| T3 | | | | | | | |
| Vaginal delivery, n = 32 | 51.2 ± 8.6 | 57.3 ± 13.3 | 74 ± 3.1 | 144.4 ± 27.3 | 47.7 ± 8.3 | 71.1 ± 8.3 | 30.2 ± 9.2 |
| Emergency CS, n = 22 | 54.1 ± 7.4 | 55.2 ± 7.6 | 74.4 ± 3.6 | 175.7 ± 36.4 | 50.7 ± 8.2 | 71.9 ± 3.6 | 29.7 ± 6.9 |
| Mean difference (95% CIs) | 2.9 (−1.7 to 7.4) | −2.1 (−9.3 to 5.2) | 0.3 (−1.5 to 2.2) | 31.3 (13.9−48.7) | 3 (−1.6 to 7.6) | −0.8 (−3 to 4.6) | −0.5 (−5.2 to 4.2) |
| p-Value | 0.21 | 0.57 | 0.71 | 0.001 (0.001 adj) | 0.20 | 0.68 | 0.83 |

| T4 | | | | | | | |
| Vaginal delivery, n = 20 | 57.5 ± 5.9 | 48 ± 8.6 | 74.7 ± 2.8 | 159 ± 35.3 | 42.9 ± 8.7 | 72.6 ± 3.1 | 29.8 ± 4.9 |
| Emergency CS, n = 15 | 62.9 ± 14.4 | 47.2 ± 8 | 76.5 ± 3.6 | 152.5 ± 27.4 | 39.3 ± 6.5 | 74.6 ± 4.2 | 33.8 ± 10.7 |
| Mean difference (95% CIs) | 5.4 (1.8−12.7) | −0.9 (−6.7 to 4.9) | 1.8 (−0.4 to 4) | −6.5 (−28.8 to 15.9) | −3.6 (−9 to 1.9) | 4.1 (−1 to 9.5) | 3.2 (−0.5 to 7) |
| p-Value | 0.14 | 0.76 | 0.11 | 0.56 | 0.19 | 0.14 | 0.12 |

| T5 | | | | | | | |
| Vaginal delivery, n = 28 | 54.9 ± 6.8 | 66.8 ± 16.4 | 69.3 ± 4.2 | 160.1 ± 30.1 | 64.6 ± 45.8 | 64.6 ± 9.7 | 21.6 ± 9.7 |
| Emergency CS, n = 18 | 58.9 ± 7.4 | 61.1 ± 12.6 | 69.8 ± 4.3 | 170.7 ± 25 | 53.6 ± 9.2 | 66.8 ± 4.3 | 20.2 ± 4.8 |
| Mean difference (95% CIs) | 4 (0.3−8.3) | −5.7 (−15.1 to 3.6) | 0.6 (−2 to 3.3) | 10.6 (−7 to 28.1) | −10.9 (−33.7 to 11.8) | 2.2 (−2.8 to 7.3) | −1.4 (−6.5 to 3.7) |
| p-Value | 0.07 | 0.22 | 0.66 | 0.23 | 0.34 | 0.38 | 0.58 |

Abbreviations: adj, adjusted; BMI, body mass index; CFT, clot formation time; CI, confidence interval; CS, caesarean section; CT, clotting time; MCF, maximum clot firmness; SD, standard deviation; T1, predelivery; T2, postdelivery; T3, post- enoxaparin; T4, 1w postpartum; T5, 6w postpartum; TEM, thromboelastometry.