DD-H67 Lupus Algorithm
(SOP HT-155 and HT-156)

```
                    ┌──────────────────┐
                    │ Run PT/PTT/Fibg/ │
                    │      TT/Hep      │
                    └────────┬─────────┘
                             │
                        ◇ Hep >1.0 and ◇
      Cancel Test ◄──Yes──  TT≥21  ──No──►
                             │
                    ┌────────┴─────────┐
                    │ Run DVV (if      │
                    │ prolonged run    │
                    │ DVV Mix, DVV     │
                    │ Confirm, and     │
                    │ calculate DVV    │
                    │ Ratio            │
                    └────────┬─────────┘
                             │
                        ◇ Is PTT ◇
   Testing complete ◄──No── prolonged? ──Yes──►
```
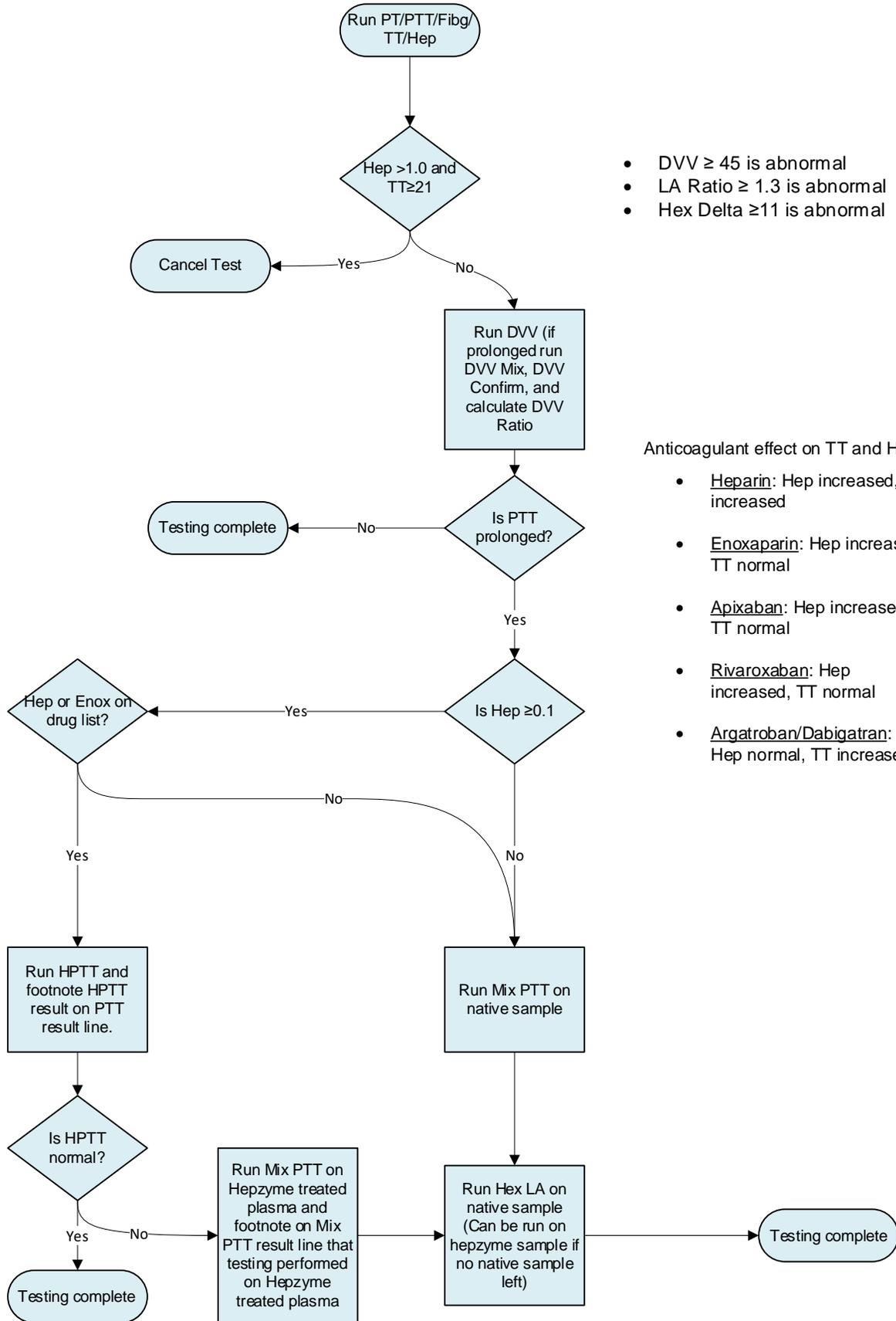
- DVV ≥ 45 is abnormal
- LA Ratio ≥ 1.3 is abnormal
- Hex Delta ≥11 is abnormal

Anticoagulant effect on TT and HEP:

- <u>Heparin</u>: Hep increased, TT increased
- <u>Enoxaparin</u>: Hep increased, TT normal
- <u>Apixaban</u>: Hep increased, TT normal
- <u>Rivaroxaban</u>: Hep increased, TT normal
- <u>Argatroban/Dabigatran</u>: Hep normal, TT increased

Decision: **Is Hep ≥0.1** — Yes → **Hep or Enox on drug list?**; No → **Run Mix PTT on native sample**

Hep or Enox on drug list? — Yes → **Run HPTT and footnote HPTT result on PTT result line.**; No → (to Run Hex LA / Mix PTT path)

Run HPTT and footnote HPTT result on PTT result line. → **Is HPTT normal?** — Yes → **Testing complete**; No → **Run Mix PTT on Hepzyme treated plasma and footnote on Mix PTT result line that testing performed on Hepzyme treated plasma**

Run Mix PTT on native sample → **Run Hex LA on native sample (Can be run on hepzyme sample if no native sample left)** → **Testing complete**

Run Mix PTT on Hepzyme treated plasma... → **Run Hex LA on native sample (Can be run on hepzyme sample if no native sample left)**