References from the literature search that were not retained had a poor study design, were not relevant to the topic, or had unclear or biased results.

**Search Strategy**

1 exp Catheterization, Peripheral/ae [Adverse Effects] (3542)
2 ULTRASONOGRAPHY/ or exp ULTRASONOGRAPHY, DOPPLER, DOPLEX/ (190241)
3 exp Ultrasonography, Doppler, Duplex/mt [Methods] (4297)
4 exp Vascular Access Devices/ae [Adverse Effects] (997)
5 *Venous Thrombosis/di [Diagnosis] (2094)
6 *Venous Thrombosis/ep [Epidemiology] (1208)
7 exp Venous Thrombosis/et [Etiology] (13622)
8 exp Diagnostic Imaging/ (2411576)
9 exp Venous Thrombosis/ (51013)
10 exp Upper Extremity/ (152237)
11 exp Upper Extremity/bs [Blood Supply] (19216)
12 1 or 2 or 3 or 4 (194471)
13 5 or 6 or 7 or 11 (35123)
14 12 and 13 (2634)
15 limit 14 to (abstracts and english language and humans and yr="2013 -Current") (411)
16 limit 15 to "child (6 to 12 years)" (28)
17 15 not 16 (383)
18 limit 17 to case reports (88)
19 17 not 18 (295)
20 remove duplicates from 19 (295)
21 limit 20 to "review" (19)
22 8 and 20 (239)

**Summary**

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