**Appendix 1: PubMed search strategy**

*The following search was performed by IvdH at April 22nd, 2017*

1. "Cardiac Output"[Mesh] OR "Cardiac Output, Low"[Mesh] OR "Cardiac Output"[Mesh] OR Cardiac output\*[tiab] OR Cardiac index\*[tiab] OR "Shock"[Mesh] OR Shock[tiab]
2. "Physical Examination"[Mesh] OR Physical exam\*[tiab] OR physical assess\*[tiab] OR physical eval\*[tiab] OR clinical exam\*[tiab] OR clinical assess\*[tiab] OR clinical eval\*[tiab] OR "Vital Signs"[Mesh] OR vital sign\*[tiab] OR "Blood Pressure"[Mesh] OR blood pressure[tiab] OR "Heart Rate"[Mesh] OR heart rate[tiab] OR capillary refill time\*[tiab] OR mottl\*[tiab] OR temperature[tiab]
3. "Sensitivity and Specificity"[Mesh] OR "Validation Studies"[Publication Type] OR "Diagnostic Tests, Routine"[Mesh] OR predict\*[tiab] OR reliab\*[tiab] OR prosp\* [tiab]
4. 1 AND 2 AND 3
5. (("Child"[Mesh] OR "Infant"[Mesh]) NOT "Adult"[Mesh]) OR child\*[ti] OR pediatr\*[ti] OR paediatr\*[ti] OR neonat\*[ti] OR newborn[ti]
6. "Case Reports" [Publication Type] OR "Comment" [Publication Type] OR "Editorial" [Publication Type] OR "Review" [Publication Type]
7. 5 AND 6
8. 4 NOT 7