**Appendix 1 – Crowdsourcing Problems**

1. Which patients with normal C-spine x-rays do you order a CT C-spine?
2. What is the first imaging modality of choice in a suspected appendicitis in an adult male or older female?
3. What do you do to reverse the newer anticoagulants?
4. Which patients should have lactate levels drawn? Are lactate trends useful for guiding therapy?
5. Who has diagnostic imaging discrepancy processes for their emergency department?
6. CRP v. ESR or both?
7. In stable new onset atrial fibrillation, do you use chemical or electrical cardioversion for first line treatment?
8. Should succinylcholine be removed from emergency department use and be replaced entirely with rocuronium?
9. Is BNP helpful diagnostically in the approach to a patient with shortness of breath?
10. Does anyone really need a central line in the emergency department?
11. Can we give vasopressors safely through a peripheral IV?
12. Is a lumbar puncture required to rule out subarachnoid hemorrhage if the CT is negative?