The purpose of this study is to investigate whether it would be helpful for barns/veterinarians to invest in thermal imaging to help detect hidden sources of medical problems in horses such as injury, infection, inflammation, blood flow abnormalities, tumors, growths, or abscesses. Thermal imaging, thermography, is a non-invasive detection technique that converts invisible heat into a visible image. As many medical problems will show up with a heat differential between normal and abnormal tissues and horses are good at masking pain, thermal imaging can quickly and easily detect most medical abnormalities. Therefore, my hypothesis is: If thermal imaging is used on horses, then hidden medical problems that cannot be seen with the naked eye can be found and treated, making thermal imaging worth investing in for barns/veterinarians. Four horses were imaged on all sides, one with a known abscess (Horse 4). The two cameras utilized were the $13,500 ZENMUSE XT and the $400 Flir One Pro, used to compare/contrast the quality and cost-effectiveness of each. After generating a report for each photo (pictures for each horse on both cameras), I concluded that my hypothesis was correct when looking at the temperature variation between the first three horses and horse four where there was physiologic confirmation of abnormality. The significant temperature increase in the front left pastern in Horse 4 is evident on both cameras, showing that thermal imaging is worth investing in for veterinarians/barns in order to quickly and easily assess a horse for injury.