Purpose
To provide practitioners with information regarding 2-D Gait Analysis Systems, including but not limited to the available instrumentation, systems, and techniques for the utilization of these systems in everyday orthotic and prosthetic clinical practice.

Are You Ready?
2-D video based systems are widely available, can be inexpensive, and time efficient; making these options affordable and user-friendly for the clinician.

Types of systems:
- Smart phone apps
  - Coach’s Eye video analysis is a free smartphone app available for iOS and Google based systems.
- Simple Analysis Software
  - SportsCad is an easily understandable and inexpensive motion analysis program.
  - Dartfish is a simple system with many options and is widely recognized.
- Complete Movement Tracking
  - Innovision Systems is a complete motion analysis system that is customizable to fit your needs.

Equipment needed:
- Tripod
- Computer with software
- Camera
- Image (Capture or Recording) Area
- Markers (if applicable)
- Measuring and/or leveling device

Set-Up:
- Ensure Tripod and Camera are level and perpendicular to the field of view.
- Ensure at least one gait cycle is viewable in the camera frame (ideally multiple gait cycles are preferred).
- Reference Measure if needed (mark a known distance).

Get Set!
- Can measure important kinematic data
- Data are stored digitally for a more permanent record (Brinkmann et al. 2013)
- Side by side comparison of trials pre and post intervention
- Side by side sagittal and coronal viewing (Brinkmann et al. 2013)

Photo Credits
http://bjsm.bmj.com/content/43/5/366/F7.large.jpg
https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcS5s4VHg-ibsb884aZ2ZVHf8_s2H738HfmJWEGCpxnTi6GqC-
https://encrypted-tbn2.gstatic.com/images?q=tbn:ANd9GcRSMGkdvGwmtQM3sN0CvTVZ_COu4v8RfL1GYYTaGb8G1L5Y3bdmoQ2
http://www.irisfit.eu/physio%20products/angle_2small.tif
http://efile.eifelsciences.org/content/efile/2/e00231/F4_F6.large.jpg

References
- http://www.quintic.com/education/Case%20DStudy%202013/figure%208.jpg (accessed 2/11/14)
- www.sportscad.com (accessed 2/11/14)
- www.dartfish.com (accessed 2/11/14)

Acknowledgements: Poster development supported by the American Academy of Orthotists and Prosthetics Gait Society.