Muscle and EMG

**Medical Physiology - Laboratory seminar**

Student protocol

1. **Unlike the ECG, the EMG waveform is irregular. Why is that so?**
2. **How does EMG trace change with increasing muscle activity?**
3. **What happens when the nerve supplying a muscle is stimulated? And What happens when the electrical stimulus to a nerve supplying a muscle is progressively increased?**
4. **What happens when the interval between two electrical stimuli to a nerve supplying a muscle is progressively decreased?**
5. **What happens to muscle tension when you progressively increase the number of pulses contained within a high-frequency stimulus?**
6. **What happens when we try to sustain a maximal force? How can we explain the decline in maximal force during a sustained contraction?**