1. PEDIG – Amblyopia Treatment Study 22
   - Obj: Examining simultaneous vs. sequential spectacle correction and patching for the treatment of amblyopia in children aged 3-13
     - PI: Kammi Gunton
     - 6 subjects enrolled

2. Gender Differences in Strabismus Surgery
   - Obj: Survey of AAPOS members to determine if gender or degree of strabismus plays a role in management
     - PI: Kammi Gunton
     - 74 responses received
     - Awaiting data analysis from Dr. Zhang

3. Gender Differences in Perception of Strabismus
   - Obj: Survey of general public to characterize the role gender, type, and severity play in perception of strabismus
     - PI: Kammi Gunton
     - To be started by new research fellow, Tobin Thuma

4. COVID-19 Impact on Community Vision Screening
   - Obj: Phone survey to determine the impact of COVID-19 on community vision screening initiatives
     - PI: Kammi Gunton
     - In progress by MPH student, Jacqui Hamati

5. Intermittent Exotropia: PEDIG vs Newcastle System
   - Obj: Determine the current usage and clinical utility of each tool
     - PI: Kammi Gunton
     - To be started by new research fellow Tobin Thuma

6. Practice Patterns of Pediatric Ophthalmologists during the COVID-19 Pandemic
   - Obj: Characterize practice patterns during the pandemic with a specific focus on PPE usage
     - PI: Kammi Gunton / Leonard Nelson
     - 128 responses received

7. Sensory Function in Autism Spectrum Disorders
   - Obj: Collaboration with Jefferson Occupational Therapy to develop a sensory-adapted clinic designed specifically for children with Autism
     - PI: Jade Minor
     - Completed two clinics (one Spanish-speaking)

8. Epigenetic Control of Posterior Capsular Opacification
   - Obj: Collect capsules from cataract surgeries and identify epigenetic regulations that affect posterior capsule opacification
     - PI: Jade Minor
     - 33 samples provided

9. Examining the Association of Prostaglandin Analogs with Uveitis in Pediatric Patients with Glaucoma
   - Obj: Retrospective review to evaluate whether or not prostaglandin analogs induce new or recurrent uveitis in children
     - PI: Jade Minor
     - 97 patients included in analysis
     - Accepted to present at AAPOS 2021

10. Sensitivity and specificity of convergence insufficiency tests
    - Obj: Establish a standardized diagnosis criterion for convergence insufficiency
      - PI: Judith Lavric
      - 100 subjects enrolled

11. Incidence of Pediatric Chalazia During the COVID-19 Pandemic
    - Obj: Determine if there has been an increase in visits due to chalazion during the pandemic
      - PI: Maureen Lloyd
      - IRB application under review

12. Transcorneal Electric Stimulation for the Treatment of Amblyopia
    - Obj: Prospective, randomized trial with placebo control to test the efficacy of TES as a treatment for amblyopia
      - PI: Leonard Nelson
      - Nick Bello is working with Dr. Zhang to prepare for data analysis