Body Imaging - Research Opportunities for Residents

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Why Research?
- Life may lead you to academia even if you didn’t plan it...
- MOC PQI projects are needed as an attending
- Possible overlap between QA projects and research
- Being familiar with research concepts and having research experience will make your life easier!
- Conference and meetings are fuel. Presenting papers means you’ll be able to attend more conferences and meetings and get valuable experience and recognition.

Get a Little Help From Your Attendings...
- Research is a team effort – from idea to publication! You shouldn’t want nor need to do this alone.
- Even if you don’t have an idea – an attending will be happy to help you out!
- Planning the project requires experience
- And if you mean to do your own thing – you should have experience!
- Being familiar with the required and preferred styles for specific journals and conferences will keep you interested!
- Ask your self what you think needs further studying (or let an Attending tell you his/her thoughts…)

How to Start?
- Ask your self what you think needs further studying (or let an Attending tell you his/her thoughts…)
- Write your particular interests – focusing on something you like will keep you interested!
- A “hot topic” = trendy means more easily published!
- Just some thoughts = aging, obesity, environmental factors (wide open and just waiting for the right enthusiastic resident…)
- Try to decide on a feasible methodology – small, retrospective studies are best for residency.
- Literature search – make sure there is still room for another article if it is a popular subject and get enough background so you’ll have something to build on
- Very important – find a medical student to work with!
- Get all of the paperwork in order before you start – BBB

And then -
- Customize yourself with all the tools and software that will make your life easier before you start (Excel, EndNote, PhotoShop and if you mean to do your own statistics then a good statistics software)
- Do the work – collect data, analyze the results
- Write the article
- Submit for publication or presentation (enjoy it – you’ve made it to the end!)

Who can you talk to?
- Body imaging section has many attendings with research interests
- Try to match your interests, but if not – everyone is welcome!

Senta Berggruen
- Placental MRI
- DWI
- Education

David Casalino
- Prostate MRI

Nancy Hammond
- Targeted pelvic CT for appendicitis
- Emergency radiology
- Renal infection
- Adrenal and renal hemorrhage

Carla Harmath
- Integration of radiology and clinical medicine
- Technological radiological education
- Thyroidology and ARFI
- ARFI for evaluation of superficial abdominal masses
- Breast imaging on MR

Helena Gabriel
- US of liver transplants
- US contrast agents
- US for Crohn’s disease
- MR enterography
- Gallbladder US and CT

Frank Miller
- MR elastography
- Magnetization transfer in the abdomen
- MR enterography
- DCE
- Liver fibrosis
- HCC
- Post-treatment imaging of the liver
- Neuroendocrine tumors
- Pancreatic imaging
- Prostate MRI

Lori Goodhart
- Imaging of the pregnant patient
- Resident and student education
- Curriculum

Paul Nikolaidis
- Ampullary imaging
- Adrenal imaging
- Small bowel GE bleeding
- Diverticulitis

Frederic Hoff
- Contrast agents and allergic reactions

Jeanne Horowitz
- Placental MRI
- Pregnant patients and contrast
- Chronic liver disease
- Educating clinicians and PA regarding appropriate use of imaging
- Radiation exposure in CT
- Lexicon, macros, reporting and communication issues

Thomas Grant
- US liver elastography ARFI
- MSK US

Vahid Yaghmai
- Radiation exposure in CT
- quantitative CT
- Volumetric imaging
- Biomarkers
- Tumor response criteria