

# Fellow (and later) Training in Genetics and Genomics



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# The vision



- Text of slide in every medical geneticist's carousel:
  - “Once we know what the gene is and understand the molecular mechanism(s) of the condition, we will be able to treat it effectively and improve health”

# The problem



- We're there.....but we haven't/aren't teaching people how to apply this to their practice
  - Not to the general practice of medicine.....but to **THEIR** practice and to **THEIR** patients

# The dilemma; we're at a crossroads



- We are finally at the point where genetics and genomics will impact medical care, but we haven't given health care providers the information they need to use this effectively and practically
  - Focused on general rules and principles and have assumed that people will know how to apply this knowledge in the clinical environment
- When it's being used, it is being used ineffectively and the payors are pushing back and may call the question----by not paying for it

# How we teach and who do we teach?



- **Medical school**
  - Year 1—how integrated is integrated?
  - Focus on general principles or cases, but too early and not reinforced in later years
- **GME**
  - How many program requirements contain any mention of genetics and genomics?
- **CME and MOC**
  - Where does this fit with practice?

# The strategy



Google image

# Possible solutions



- Teach genetics and genomics within a health care provider's scope of practice—make it relevant
  - Is this a procedure?
- GME
  - Examine program requirements
- CME
  - Consider “point of care” educational material
  - Have to integrate this into practice and make the information easily accessible and relevant
- Use medical geneticists to work with medical specialties (primary and subspecialty) to help create the educational content and provide consultation when needed