

Learning Objectives

- Understand how an entrepreneurial role differs from an employee role
- Explore different types of entrepreneurial roles
- Understand how to prepare to be an entrepreneur
- Be aware of key steps to success as an entrepreneur

Disclosures

- Founder and President, Upstate Medical Physics
- Sr. VP, Landauer Medical Physics
- Co-Founder, MedImage Video

Who is an entrepreneur?

en-tre-pre-neur 🌓 noun \a^n-tra-p(r)a-nac, -n (v)ur\
: a person who starts a business and is willing to risk loss in order to make money

- · Practical, working definition
- Salaried employees work for a company or organization, lower risk, predictable results (?)
- Entrepreneurs invest personal assets (time, money, etc.) and take risks beyond those of an employee – in exchange for potentially greater autonomy, flexibility and financial rewards

http://www.merriam-webster.com/adfiles/III-Pop.html

Outline

- Who is an entrepreneur?
- · Bob's history
- How to succeed (entrepreneur vs. other roles)
- Building for a future entrepreneurial role
- · Business aspects
- · Communication Skills
- · Personal Assessment
- Q&A

April 2, 200 123 PRIET

America's 12 Million Amateur Innovators

http://www.npr.org/blogs/money/2012/04/23/151204136/amarica.c.12.million.amateur.innovator

Traditional Medical Physics Employment Model

- FTE, University
- FTE, Hospital
- FTE, Government Agency

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NIH National Institutes of Health

Ronald Reagan UCLA Medical Center



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Alternative Medical Physics Employment Models

- Entrepreneur (Owner or partner)
 - Service: Private practice MP group
 - · Astarita, Carey, Goff, Barnes, Simmons, Bushong, Dixon...
 - Product: Business owner
 - · John Cameron, RMI
 - · Lescrenier, Gammex
 - Mackie (TomoTherapy)
 - Ning (Koning Breast CBCT)
- Industry
 - Balter (Philips)
 - Kalender (Siemens)
 - Sternick (NOMOS)
 - Gray (Lorad, Landauer, RMI mini SBB Phantom)

Looking back...

- · Father was engineer, became sales rep
- DABR Therapy, 1983 consulting?
- Taught Diagnostic Radiology residents
- Began consulting in Imaging 1982 during vacations/weekends
 - Invested, incorporated, spaghetti squash
- 1989: after 10 years at hospital, took the leap
- Practice grew by word of mouth
 - Personal line of credit for payroll
- · Never looked back, not once!
- 2009 National MP opportunity LMP

Pathways to be an entrepreneur

- FTE (academic organization or other employer)
 - Create a solution to a common problem
 - Partner with employer to turn into a product (spin off)
 - Create something on your own time
 - Beware of employment restrictions on ownership
- FTE (Corporate employer, w bonus, \$incentives)
- · Start a business, become your own boss
 - Find a niche, solve a problem (product or service)
 - Develop a business plan
 - Take a risk

Looking back...what helped?

- · Commitment to professional quality, integrity
 - "How many CT's are they doing over there?"
- Finding, building and trusting the team
 - Listen, especially when we didn't agree
- Creating the right culture (C. Lescrenier)
 - Fairness, integrity, help others, work ethic
- Mentors through AAPM, ACMP
 - Far too many to mention
- · Commitment to financial fairness
 - Employees, clients, vendors
- Timing (NYSDOH QC Requirements)

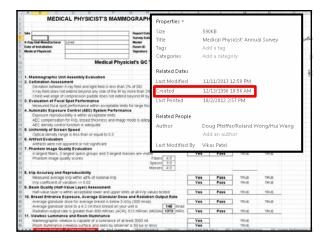
Looking back...what helped?

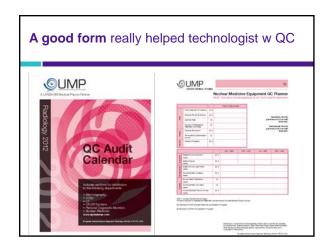
- Investment (best practices, relationships)
 - Excel for Mammo QC
 - Professional, regulatory involvement
 - NYSDOH, AAPM, MQSA, ACR, FDA
- Helping technologists (customers)
 - QC Forms, manuals, speaking at meetings
- Vendors as partners (remain objective)
- Nuclear Assoc, RadCal, GE, Lorad, Kodak, MITA,
 Recognizing strengths and market (above)
- Thinking outside the box, being nimble, ACT!
- Not afraid to fail (just try again!) like a 1 yr-old

Regulatory Guidance for RT's and Radiology Directors



The precursor was The HCFA Manual!





MedImage Video, Inc. (MIV)

- Physics/QC Lectures to Mammo techs
- What about those who can't travel?
- Created MIV with 5 expert Mammo techs
- Produced "How To" video, 11 QC tests
- 18 months later

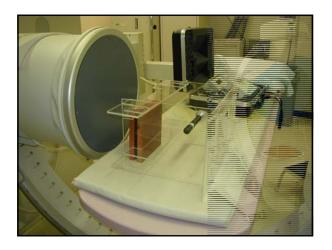
Lessons:

- Know your strengths
- Partner with experts
- Timing
- Nothing lasts forever (ROI)



RF test tool: Efficiency and standardization





What's different about an entrepreneur? Perhaps less than you thought...

- Basic professionalism
- Communication
- Hard work. Focus
- Partnership to fulfill a need
- Differentiation in the market
- Personal risk

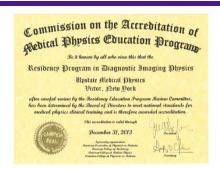
SF Mammo AEC test tool (13 exposures, 1 SFM cassette)



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Residency in a private practice?



Building for a future as an entrepreneur

- Solid understanding of Medical Physics
- Recognize, assess SWOT
- Fresh ideas
- Freedom from impediments
- Financial flexibility
 - Not paycheck to paycheck
 - Health Insurance
- Business understanding

Basic Business



- · Define your goals, mission
- Income exceeds expenses (long run)
- Return on investment
- Find a good accountant
- Identify your market, competition
- Choose your partners
- Compensation models
- Cash flow (Dental inspections)
- Legal



Communication Skills

- Written and Oral
- Approach as you do ABR process
- Find a mentor; assess, goals, practice
- Professionally "sell" yourself, idea
 - Family, friends, AAPM chapter
 - Colleagues, potential clients, investors
- Effectively communicate Value
 - Elevator speech (15 seconds)
 - What makes this different?



Possible Goals

- · Professional creative freedom
- Build a better mousetrap
- Geographic choice (lakes and small hospitals)
- · Reduced organizational politics
- Diverse clientele
- Make a difference
- Get outside in fresh air!
- Build a top notch team
- Build a reputation
- Financial goals
- Exit strategy

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Compensation Models

- · Cost vs. Value Based
- Cost based pricing (cost + profit)
 - Salary (FTE) or Hourly (consultant)
 - Include all expenses, including downtime
- · Value based pricing of services
 - What would it cost to do it another way?
 - What additional benefits add value?
- FTE, salary + bonus (achieve goals)
- · Royalty or percentage



Personal Assessment

Ask yourself these tough questions

- 1. Entrepreneur vs. FTE...
- 2. Willingness to
 - Take risks
 - Invest time and resources
- 3. What is my motivation?
- 4. What do I have to offer?
- 5. Is the timing right?
- 6. Do I have the right resources?
- 7. Am I ready to take the plunge?



Summary

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Thank you!

