Tele-Oncology Challenges, Program Development, and Technology

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Common Tele-Oncology Barriers and Challenges

• Complex treatment management
• Providers and care teams are overwhelmed
  - Cancer is becoming a chronic condition
  - New drugs and therapies “daily”
• ”I may not get the labs and imaging I want”
• ”I want to see my patients, every visit” (Physical touch)
• JC/COC considerations
• Appointment stacking
• Revenue cycle
• Hub and spoke patient population percentage
Programmatic Development

Provider to Provider

External Clinics

Internal Clinics

Education
Programmatic Development

Provider to Provider

- Internal case conferences
- Specialty consults
- Treatment coordination
- Administrative meetings
- New treatment roll out

Education

- Population health efforts
- Grand rounds
- Lectures
- Clinical trial availability
- Caregiver education
- Patient education
- External case conferences
Programmatic Development

Internal Clinics

• Screenings
• Community based site specialty consults
• Genetic counseling
• Supportive care services
• Clinical trials (Accrual and Protocol delivery)
• Pre/post surgery visits
• Remote patient monitoring
• Nursing visits
• Transplant
Programmatic Development

External Clinics

- Prevention and screening programs
- Screenings
- Genetic Counseling
- Multi-center clinical trials (trial accruals and remote patient monitoring)
- Second opinion
- Transfer management
- Referral management
- Surgery and treatment follow-up with referring provider
- Support groups and survivorship
- Transplant services
- Care guidance
- Shared care of appropriate patients
Relevant Technologies

Provider to Provider

• Conference rooms
  • High quality room systems
  • Peripherals (Microscope, Imaging computer)

• Office connectivity
  • User based hardware systems
  • Software based video clients

• Mobile connectivity
  • Mobile devices like phones and tablets
  • User based hardware systems at home (24/7 programs)
Relevant Technologies

Clinical Hub and Spoke

• Consult and exam rooms
  • Desktop hardware devices
  • Peripherals for diagnostics
  • Mobile carts or devices
  • Conference rooms

• Hospital ED or inpatient
  • Mobile carts
  • Pan tilt and zoom (PTZ) camera
  • Tablets
Relevant Technologies

Home Based Care

• Remote Patient Monitoring
  • Broadband
  • Cell enabled tablets
  • Web based video tools
  • Peripherals (scale, BP cuff, pulsox, etc)

• Support groups/Survivorship
  • Broadband
  • Smart phones and tablets
  • BYOD
  • Web based video tools
Relevant Technologies

M-Health and AI

• Apps
  • Screening
  • Education
  • Interventions
• AI Screening
  • HPV
  • Others?
• Pain management
• eConsults
Questions?

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