

**Care of Interventional Radiology Patients:
The Growing Specialty**

Amy Dooley MS RN CPAN CAPA
April 10, 2022

1

Welcome

In Person Virtual

2

Beginnings

- 1895 - William Roentgen
- 1898 - Marie Curie
- 1927 - Antonio Egas Moniz
- **1955 - Sven Seldinger!**

3

Growth

- 1964 - Charles Dotter
- "Interventional Radiology" - 1967
- 1970's - Improving techniques
- 1980's - Golden Era.
 - Diagnostic to Therapeutic
 - CAT Scan, TIPS, Coils

4

So you want to be an IR doc?

```

    graph TD
      A[4 Year Med School] --> B[4 Year Radiology Residency]
      B --> C[1-2 Year IR Fellowship]
      C --> D[Subspecialty - Neurointerventional Radiology]
  
```

5

The IR Suite & Program

- 650 square feet
- 3-4 rooms: Preparation and Recovery
- Monitoring equipment
- Contingency plans
- Transfer agreements with other hospitals
- Admitting privileges defined

Baerlocher

6

Imaging Used

- Angiography
- CAT Scans
- CTA
- Fluoroscopy
- MRA
- X-Rays

7

Utilization

- Therapeutic - Embolize internal hemorrhage
- Healing - Insert a drain
- Curative - Coiling of aneurysms
- Palliative - Shrink a tumor

8

Specialties

- Central Nervous System
- Vascular - TCAR
- Respiratory
- Orthopedics

9

Specialties

- Gastrointestinal - Bx, PEG, ERCP, SIRT, TACE
- Urinary
- Gynecology

10

Burgeoning Growth

IMAGINATION

IDEAS

ROBOTICS

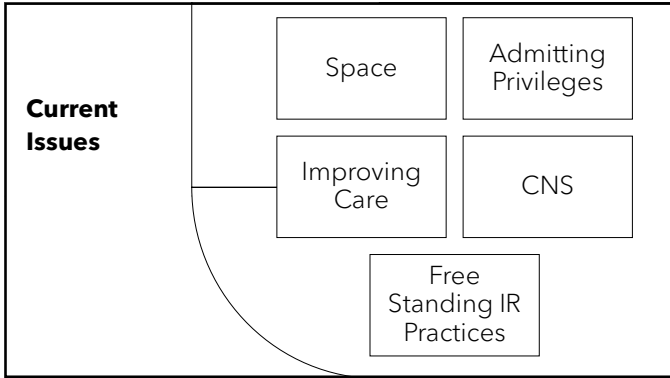
COMPUTER TECHNOLOGIES

11

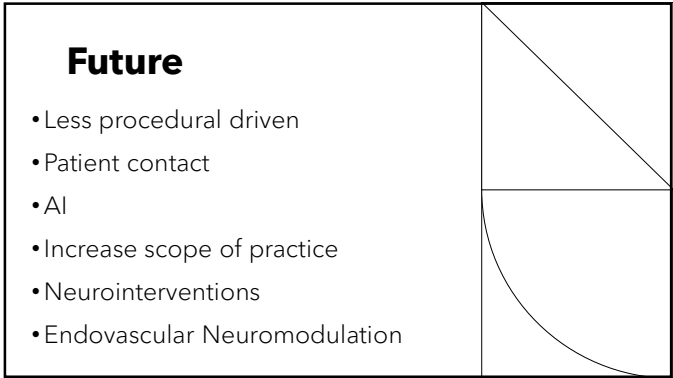
Benefits

- Minimally Invasive
- Faster Recovery
- Outpatient
- Less Disruptive
- Improves diagnosis

12



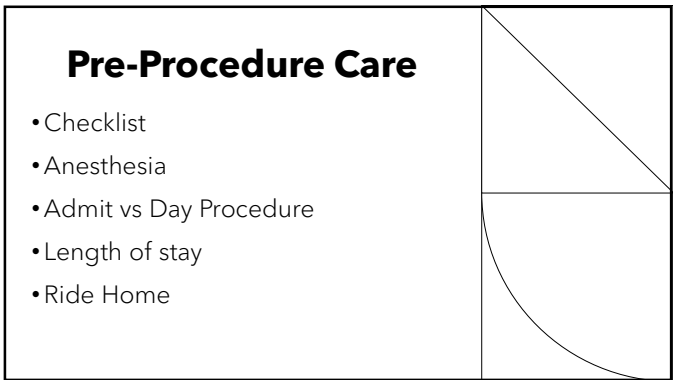
13



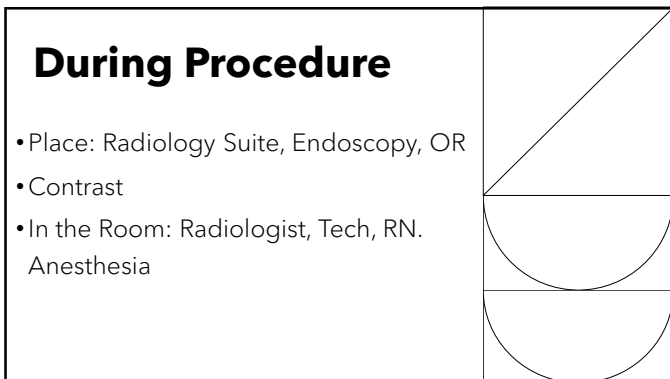
14



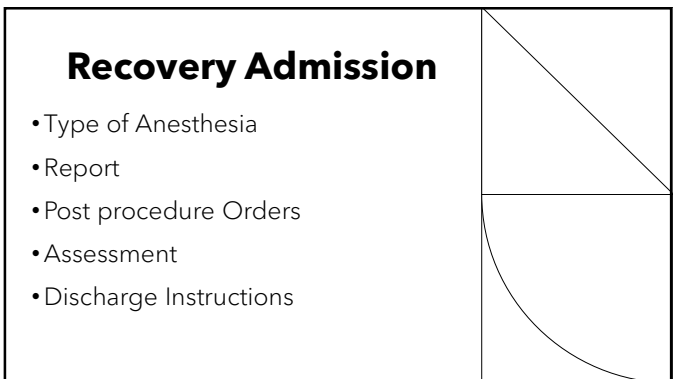
15



16




17




18


Recovery Phase




Orders



Complications



Monitoring



PAR/PAD

19

What to watch for

- Vascular - Bleeding, Pulses
- Neuro - Stroke
- Respiratory - Pneumothorax
- GI - Retroperitoneal Hemorrhage
- Urinary - Color of urine
- Gynecology - Vaginal bleeding
- Ortho - Extremity strengths/pulses

20


Discharge

- Report
- Education - Discharge instructions
- Follow-Up appointments
- Whom to call for results

21

Our Role

- IR is growing
- Space constraints
- Use of Anesthesia
- Patient needs
- Experts in recovery



22

IR Specialty Nurses

- ARIN
- National Conference. June 11-16 Boston
- CRN - Certified radiology Nurse

23

**Interventional Radiology :
The Burgeoning Specialty**

Conclusion

24