Radiation Safety Compliance & Staffing Alternatives

William G. Thompson, PhD
RSOtoGO
CEO • Owner • SDVOSB
Modesto, California

partnering with...
Pre-Flight Check

- Straighten Main and Tail Blades
- Check for Free Head Rotation
- Mount Battery and Strap down
- Turn On Transmitter
- Select Correct Model
- Turn On Throttle Hold and Lower Throttle Stick
- Set All Switches to Normal
- Plug In Battery
- Listen For ESC Initialization
- Check Receiver and Gyro Light
- Mount Canopy, Add Rubber Grommets
- Check Cyclic Movements
- Check Rudder Movement in HH and Rate Mode
- Leave Rudder Switch to HH Mode
- Check Collective Pitch Movement
- Place Model For Take-Off
- Preform Range Check
- Set Timer Switch for Countdown

Craft Inspection

- Blades Straight and Undamaged, Bolts Are Secure
- All Control Arms and Ball Links Secure
- Landing Shaft Screws Secure
- Main Blade Grips
- Flybar, Paddles and Weights Secure
- Washout and Mixing Arm Screws Secure
- Jesus Bolt Secure
- Main Head Assembly Secure
- Anti Rotation Collar Secure
- Cyclic Servo Arms and Balls Secure
- Anti Rotation Collar Secure
- Battery Tray and Gyro Tray Screws Secure
- Main Gear and Pinion for Damage and Backlash
- Lower Jesus Bolt Secure
- Inspect Wiring
- Inspect Antenna Wires
- Inspect Belt Tightness and Apply Silicone if Needed
- Inspect Landing Skids
- Inspect Tail servo, Arm, Ball Linkage and Pushrod
- Inspect Tail Assembly Screws
- Inspect Slide Shaft and Lubricate
- Inspect Tail Grips and Blades
- Inspect Vertical and Horizontal Fins
Internet-friendly dosimeter
“Smart” technology gets the job done
Expedite end-of-day reports
GO DIGITAL
Smartphone live video capture for “teachable moments”
Virtual classroom
“CLEAR!”
“TIME OUT!”

**Time Out**

**Surgeon**
- Confirm all team members have introduced themselves by name and role
- Confirm patient’s name and procedure
- Anticipated critical events
- EBL

**Anesthesia**
- Allergies
- Antibiotic
  - Correct antibiotic
  - Timing
- Anticipated critical events

**Circulator**
- Fire risk assessment
  - Level/Addressed
- Images
- Delay code

**CST**
- Medications

**Surgeon**
- Safety statement reminder
- Timeout complete

---

**Debrief**

**Actual Procedure**

**Case Review – Successes/Improvements**
- CST
- Circulator
- Others, as applicable
- Anesthesia
- Surgeon

**Considerations**
- EBL
- Emergence/Recovery Concerns
- Foley/Drains/Packing
- Equipment
- Position Restrictions
- Specimens

---

**Next Case**

**Considerations**
- ABX
- Position
- Table
- Anesthesia
- Equipment

---

If **ANYONE** has any safety concerns at **ANYTIME**, you are expected to bring them to the attention of the surgical team.

SAFETY is #1
Regulations
cost effective
Safety
teamwork
Culture
productivity
technology
Time to answer your questions.

Thank you.
Thank you for your participation in the NDTMA 2017 Annual Conference