

# Pediatric Oncology



John F. Kuttesch, Jr., Ph.D., M.D.  
Chief, Division of Pediatric  
Hematology/Oncology





# Childhood Cancer Facts - USA

- > 12,500 children and adolescents are diagnosed with cancer per year
- One of every 500 young adults is a childhood cancer survivor
  - Nearly 2/3 of the survivors later experience significant and chronic medical problems or develop secondary cancers
- The causes of most pediatric cancers remain a mystery and cannot be prevented
- Leading cause of death by disease in children and adolescents
- 100% socioeconomic and psychosocial impact on the family

**#FACT FRIDAY**

*Pediatric Cancer is not  
one disease.*

*There are 12 major type  
and over 100 subtypes.*

# Childhood Cancer Facts - USA



IN CHILDREN, CANCER IS LESS LIKELY TO BE CAUSED BY LIFESTYLE OR ENVIRONMENT LIKE IN MANY ADULT CANCERS.

#CHILDHOODCANCERAWARENESS



MORE THAN 80% OF U.S. CHILDHOOD CANCER PATIENTS BECOME LONG-TERM SURVIVORS.

#CHILDHOODCANCERAWARENESS



BECAUSE OF THE TREATMENTS THEY HAD AS KIDS, MORE THAN 99% OF CHILDHOOD CANCER SURVIVORS WILL HAVE A CHRONIC HEALTH PROBLEM

#CHILDHOODCANCERAWARENESS





# Mission: Pediatric Oncology at UNM Health Science Center

*To Decrease the Burden of Childhood Cancer in Children and Families of New Mexico through Clinical Service, Research and Education.*





# Clinical Program – Pediatric Oncology

- The Only Tertiary Care Provider of Oncology Services for Infants, Children and Adolescents in New Mexico
- Multidisciplinary Team Approach in the Comprehensive Care of Patients (7 physicians, 3 practitioners, 9 nurses, 3 social workers, 3 pharmacists)
- Comprehensive Children’s Hospital Environment
- UNM Cancer Center Services: Radiation Therapy, Orthopedic Oncology, Gynecologic Oncology
- Collaboration with UNM Cancer Center: Care of Young Adults

# Pediatric Hematology/Oncology

## New Mexico Natives



Jessica Valdez., M.D. MPH. (2018)

- Training
  - UNM & UNM SOM
  - Stanford Pediatric Residency
  - St Jude Fellowship
- Interests:
  - Outcomes in Diverse Populations
  - Cancer Predisposition Syndromes



Jodi Mayfield, M.D. MCS (2015)

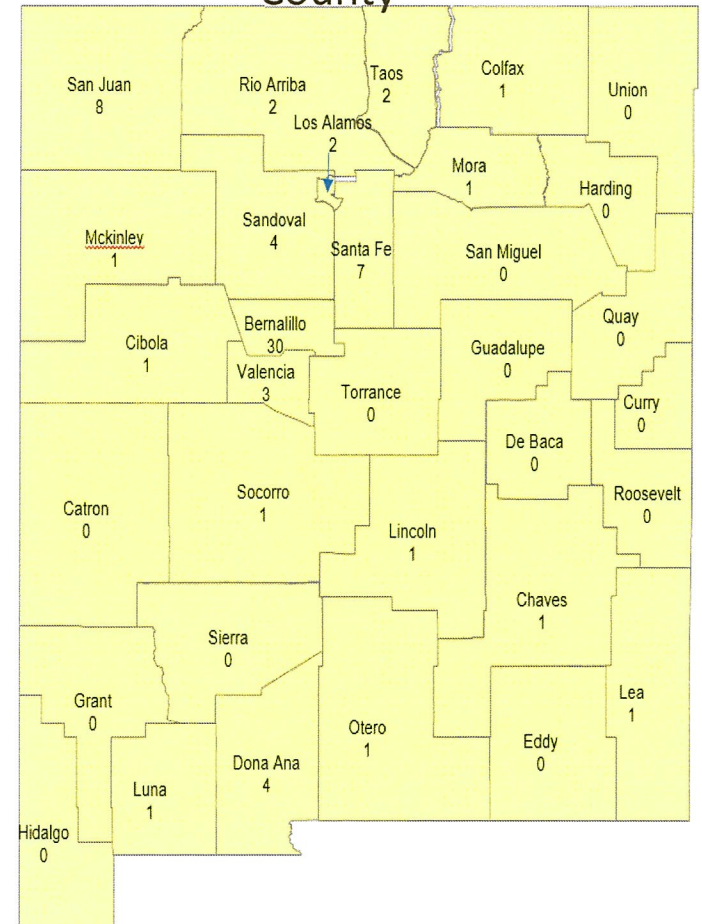
- Training
  - UNM & UNM SOM
  - Dell Children's –Austin Residency
  - University of Chicago
- Interests
  - Outcomes in Leukemia: Disparities
  - Adolescent and Young Adult Oncology



# Pediatric Oncology

- Referrals received from all parts of the state
- Over 325 referrals from 2010-2019 (current)
- Over 400 Active Patients and approx. 5442 clinic and inpatient visits during this period.
- Total of 73 new patients, with 65 enrollments in a clinical study.
  - A total of 66 were cancer evaluations
  - 7 Vascular lesions

2019 Enrollment by County





# Clinical Services – Pediatric Oncology

- Comprehensive Treatment Planning and Care
  - Weekly Patient Care Meetings
  - Weekly Clinical Research Meetings
  - Biweekly Tumor Board Reviews
  - Participation in UNM CCC Tumor Board Reviews
  - Weekly Radiology Conferences
  - Psychosocial Rounds
- Comprehensive Clinics/Programs
  - Survivorship Clinic
  - Vascular- Lymphatic Malformation program
  - Post Bone Marrow Transplant Follow-up Clinic
  - Neuro-Oncology Clinic ( planning)





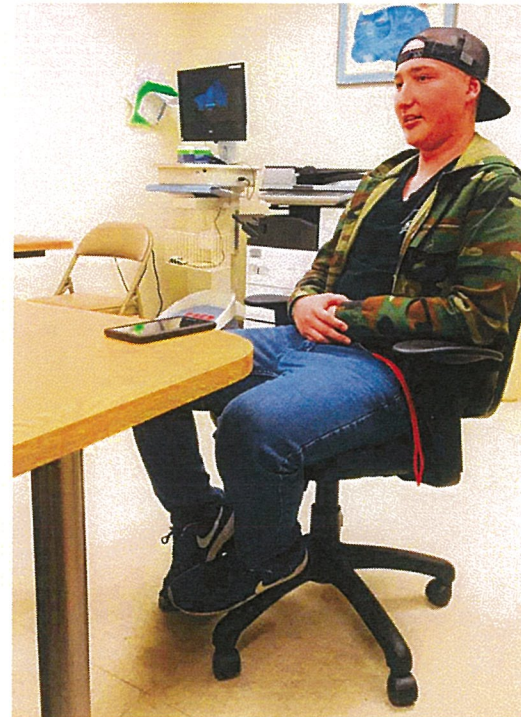
# Clinical Services – Pediatric Oncology





# Education & Outreach – Pediatric Hematology/Oncology

- Medical Student/Resident Education
  - Clinical Rotations: 17 residents
  - Medical Student Lectures: 130
  - Tumor Boards, Radiology Rounds, Patient Care Conferences
  - Medical Student Teaching
    - Clinical rotations, Didactic. Acting Internship
  - Consistently Outstanding Teaching Scores
- Professional Presentations
- Community Outreach





---

# CAMP ENCHANTMENT 2019

---

PROUD TO ANNOUNCE OUR  
NEW DATES FOR CAMP!!!

JUNE 2ND -  
JUNE 8TH 2019

ONE WEEK  
LATER THAN  
YEARS PAST!





# Research – Clinical Pediatric Oncology

- Children's Oncology Group
  - Only New Mexico site
  - Over 90% of eligible patients enrolled on National Cancer Institute - approved clinical trials
- Nationally-Recognized Investigators
  - Dr. Boayue (Cancer Control; NCORP); Dr. Heideman (Brain Tumors); Dr. Kuttesch ( COG-PI, Brain Tumors, Chair, DSMC-Experimental Therapies)
- Sixty-Five Open Research Studies (Therapy, Epidemiology, Biology, Registry)
  - Data Compliance: 100%
- Sponsored Research - UNM
  - Children's Oncology Group
  - St. Baldrick's Foundation



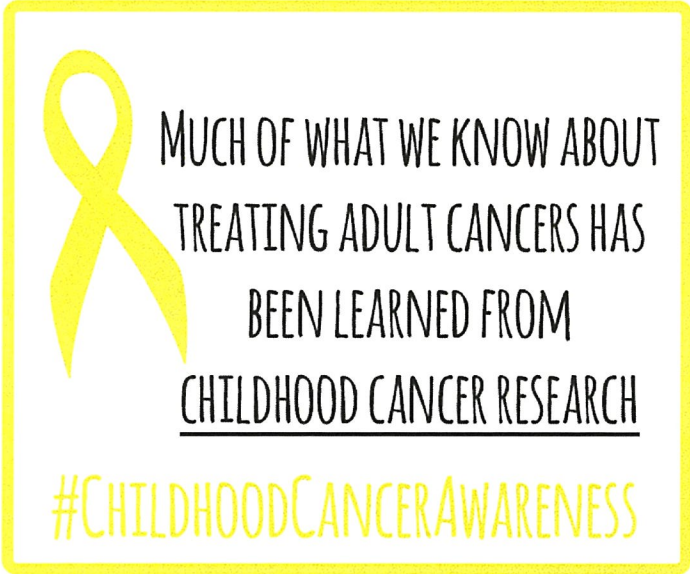
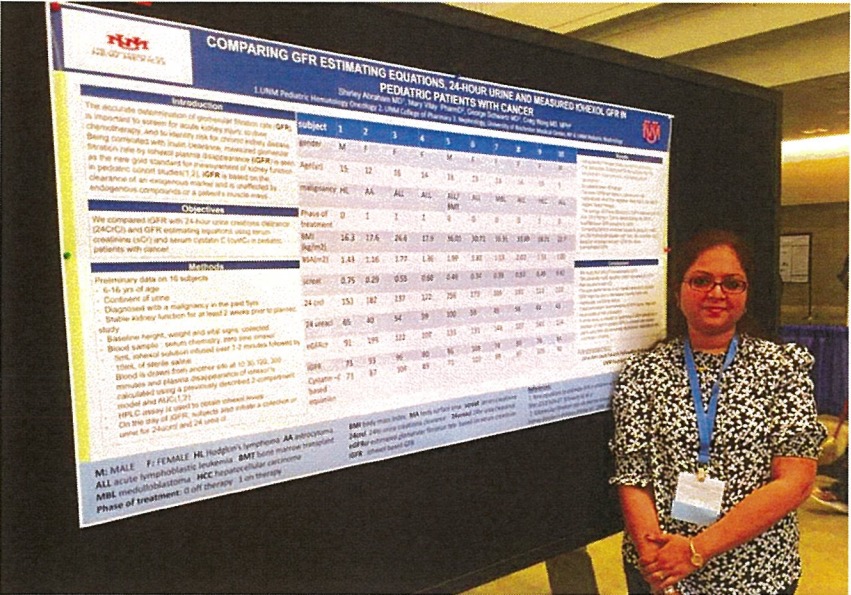
# Clinical Trials - Pediatric Oncology

A comprehensive clinical trials team meets weekly to discuss enrollments and study issues. The current open study portfolio of COG trials includes:

- 50 Therapeutic Trials
- 15 Cancer Control, Epidemiology, Late Effects and Pharmacologic PK/PD Studies
- Novel Therapies
  - Immunotherapies
  - Targeted Therapies
  - Access to Precision Medicine



# Research – Clinical Pediatric Oncology





# Research – Translational Pediatric Oncology

## Shiraz Mishra, PhD

Major research interests and achievements have been in the characterization of individual, inter-personal, organizational/community, and societal risk factors leading to disparities in health and in access to and utilization of preventive services.



## Ksenia Matlawska-Wasowska, PhD

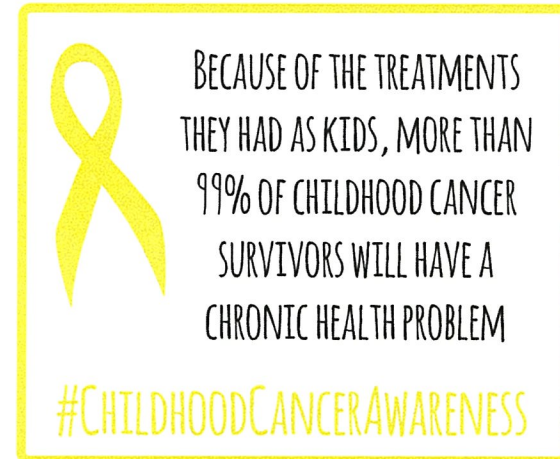
- Research focusing on the development of prognostic markers for T-cell lineage ALL, risk classification and identification of novel drug targets.





# Pediatric Oncology: Survivorship

- Provides Multi-Disciplinary Follow-up for > 600 Survivors of Pediatric Malignancies
- Programs
  - Multi-disciplinary clinic for patients at least 2 years off therapy and cancer-free. Health assessment and screening. Risk assessment.
  - School Re-entry Program
  - Young Adult Transition Program as patients become adults
  - Outreach: Education





# Pediatric Oncology Summary

- Clinical Service
  - Pediatric Specialists/ Pediatric-focused
  - Medium + -sized program: Care of infants, children, adolescents (Young Adults)
  - Continuum of care: Diagnosis to Survivorship
  - Multidisciplinary care combining resources of a Comprehensive Children's Hospital and a Comprehensive Cancer Center
- Research
  - Clinical Research: outstanding recruitment and conduct of clinical trials
  - National leadership in clinical research /nationally recognized investigators
  - Translational and Laboratory research
  - Mentoring of residents and medical students
- Education
  - Mentoring and Teaching: Residency and Medical Student
  - Consultation and co-ordination of care
- Program Development
  - Adolescent and Young Adult Program: (Leukemia, Lymphoma, Sarcoma, Testicular Ca & Gynecologic Ca)
  - *Vascular-Lymphatic Malformations Program*





# Pediatric Hematology/Oncology

## FY 2019 Actuals

REVENUES:	\$	%
Tobacco Settlement Fund Allocation	240,994	8.6
General Fund	1,220,900	43.5
Clinical	407,976	14.5
Contracts and Grants	219,065	7.8
Internal Transfers & Allocations	(215,106)	-7.7
Other Revenue	933,435	33.3
<b>Total Revenue</b>	<b>\$2,807,264</b>	
<b>EXPENSES</b>	<b>3,027,761</b>	
Total Compensation	2,464,449	89.0
Total Operating Expense Other	303,814	11.0
<b>Total Expenses</b>	<b>\$2,768,263</b>	

- *Supports our mission to deliver outstanding care to the Children of New Mexico*
  - *Nursing specialists, education, Social Work*
- *Supports access to the best therapies available in the world to improve outcomes*
- *Supports survivorship, education and outreach*
- *To give the best care to the Children of New Mexico*



# Pediatric Hematology/Oncology

## FY 2020 Budget

REVENUES:	\$	%
Tobacco Settlement Fund Allocation	250,000	7.6
General Fund	1,269,900	38.4
Clinical	477,784	14.4
Contracts and Grants	214,836	6.5
Internal Transfers & Allocations	(238,892)	-7.2
Other Revenue	1,336,227	40.4
<b>Total Revenue</b>	<b>\$3,309,855</b>	
EXPENSES		
Total Compensation	2,878,488	87.0
Total Operating Expense Other	431,367	13.0
<b>Total Expenses</b>	<b>\$3,309,855</b>	

- *Supports our mission to deliver outstanding care to the Children of New Mexico*
  - *Nursing specialists, education, Social Work*
- *Supports access to the best therapies available in the world to improve outcomes*
- *Supports survivorship, education and outreach*
- *To give the best care to the Children of New Mexico*



- Questions?

