CANCER: The Emperor of all Maladies - Episode One: Magic

Bullets - Credits

Episode 1

A Film by

Barak Goodman

Executive Producer

Ken Burns

Executive Producers

Dalton Delan David S.Thompson Pamela Oas Williams Laura Ziskin

Edited by

Peter R. Livingston, Jr.

Written by

Geoffrey Ward and Ken Burns Barak Goodman & David Blistein

Directed by

Jack Youngelson and Barak Goodman

EPISODE ONE

Senior Creative Consultant Ken Burns Series Producer Barak Goodman

Based on the book "The Emperor of All Maladies: A Biography of Cancer" by Siddhartha Mukherjee

Narrator Edward Herrmann

Field Producers Ali Sargent

and

Lindsey Megrue

Emily Singer Chapman

Music Composed By David Cieri

Graphics and Animation Molly Schwartz Studio

Jen Glabus
Dana Schechter
Jason Conradt
Garry Waller
Sean Donnelly
Ray Lewis

Senior Scientific Advisors

Daniel Kamhaji Dr. Harold Varmus Dr. Robert Weinberg

Associate Producers

Holly Siegel

Tom Denison

Nora Ballard

Directors of Photography

Post Production Supervisor

Line Producer

Additional Directing

Motion Graphics

Robert Hanna

Stephen McCarthy Sam Russell Stef Gordon Stephen Altobello Deborah Dickson

Additional Editing Karen K.H. Sim
Archival Producers Holly Siegel
Becca Bender

OAKES
Chris King
Andy Cahill
FLYfx

Ryan Dilts

Still Photography Animations Visual Effects

Chris Connolly
Chris Connolly
Richard Fairbanks

Brittany Kaplan Jamie Unruh

Supervising Sound Editor/Re-

Recording

Colorist

Associate Editor Lead Assistant Editor Assistant Editors

Pre-Production Editor
Post Production Engineer
Apprentice Editors

Synching

Sound Effects
Additional Sound Effects
Follow Artist

Foley Artist Layback Sound Recording

Todd Goings Edward Wardrip Alex Ragona Scott Davis Ben Meadors Cat Harris Mischa Aletta Rachel Bozich John Torrani Melissa Weiss **Kevin Peters** Juan Manuel Rios Brian Vancho Framerunner Len Schmitz Roger Phenix Mark Mandler

Adriano Bravo Susan Bryant Frank Coakley Dustin Eddo John Gooch Anton Herbert Steve LaFayette Caleb Mose Neic Poberai Rich Pooler Mark Roy Paul Schmitz Chris Strollo **Charles Tomaras** Phil Turner

Additional Cinematography

Nora Ballard John Chater Rafael De La Uz Wolfgang Held Robert Humphreys **Edward Marritz** Ali Sargent

Additional Archival Producer

Researcher Fact Checker Script Assistant **Production Associates**

Transcription Camera Assistant

Production Assistants

Justine Pierce Bonnie Foster Jillian Bergman Alexander Black Ali Scattergood Andrew Balamaci CLK Transcription, Inc.

Greg Brutus Joshua Benson Rachel Behrmann Jess Martinez Robert Rodgame Max Bloom

Anna Blum Caitlin Davis Galen Davis Amanda Douville Joss Fong Lorelai Germain Bahar Gholipour Lucas Habte

Andy Han Rachel Hawatmeh Renusha Indralingam

Alexa Kurzius Caroline Levine Claire Maldarelli Caroline Monahan Hannah Newman Paola Ochoa Tandice Ossareh Hsuan-Yu Pan Clare Shin Raghib Siddiqui Ankita Sud

Interns

Ansa Varughese Skyler Weinstein Rebecca Welsh ABC VideoSource

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Joshua Frank, Catherine Goldschmidt,

Garrett Weinholtz Phil Shipman Gina Boyer

Maggie Anderson, University of Utah

The Assante Family **Douglas Atkins Christopher Banks**

The Bess-Blount and Jones Family

The Blair Family The Burton Family Camp Sunrise The Delaney Family

Website Short Films Co-Created by

Music By

Graphics and Associate Editing

Illustration Animation

Additional Camera

Sound Casting

Special Thanks to

Jack Eckert

Sarah Eilners

Dr. John Fenn

Flashes of Hope

Lisa Fratino

Daniel Garrison

Maili Godwin

Stephen Greeenberg

Judy Grosberg

Barbara Harkins

The Hartzog Family

Star Herrmann

Andrew Huff

David Keegan

Jeff Krulik

Sharon Krum

Karen Lord

Molly McHale

Matthew Meryerson

Amy Mone

Alina Morris

Polly Petit

Ali Pomeroy

The Quigley Family

The Rodighiero Family

Elliot Sandler

The Sawchak Family

Arlene Shaner

The Smith Family

Wendy Stokes

Michael Proszynski

Jenna Pynn

Judy Inman

Vanessa Wasta

The Waters Family

Jane Winton

Timothy Wisniewski

Sandra Yates

The Staff of The Johns Hopkins Kimmel

Cancer Center

The Staff of Charleston Area Medical

Center in West Virginia

All the patients and families who graciously allowed us to film their

journey

All of our interviewees who have made significant contributions toward the fight against cancer, and took the time to

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And in memory of those who passed in the course of the making of this film

Special Thanks to

President and CEO
Vice President, Production
Management
Vice President, National
Engagement & Interactive Media
Interactive Media and Outreach

General Counsel Vice President, Program Development & Syndication Senior Director, Station Relations Project Manager Vice President, External Affairs Director, National Publicity Series Art Director **Project Director Production Controller** Cancer: The Emperor of All Maladies is a production of Florentine Films, Laura Ziskin Pictures and WETA Washington, D. C. in association with Ark Media which are solely responsible for its

content.

Sharon Percy Rockefeller Jim Corbley

Anne Harrington

Justin Rhodes Kathryn Wilson Lisa Delaney Karen Fritz

Suzanne Masri Khanh Phan Mary Stewart Kate Kelly Cynthia Aldridge Susie Miles Krystal Fogg

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CANCER: The Emperor of all Maladies - Episode Two: The Blind Men and the Elephant

Credits Episode 2

A Film by

Barak Goodman

Executive Producer

Ken Burns

Executive Producers

Dalton Delan David S.Thompson Pamela Oas Williams Laura Ziskin

Edited by

Karen K. H. Sim

Written by

Geoffrey Ward and Ken Burns Barak Goodman & David Blistein

Directed by

Deborah Dickson and Barak Goodman

Closing Credits

Senior Creative Consultant Ken Burns
Series Producer Barak Goodman

Based on the book "The Emperor of All Maladies: A Biography of Cancer" by Siddhartha Mukherjee

Narrator Edward Herrmann Field Producers Ali Sargent

and

Lindsey Megrue

Emily Singer Chapman

Music Composed By David Cieri

Graphics and Animation Molly Schwartz Studio

Jen Glabus
Dana Schechter
Jason Conradt
Garry Waller
Sean Donnelly
Ray Lewis
Daniel Kamhaji
Dr. Harold Varmus

Senior Scientific Advisors Dr. Harold Varmus

Dr. Robert Weinberg

Associate Producers Holly Siegel

Directors of Photography

Nora Ballard Robert Hanna

Tom Denison

Stephen McCarthy

Line Producer

Sam Russell Stef Gordon

Post Production Supervisor **Additional Directing**

Stephen Altobello Chris Durrance

Additional Editing

Jack Youngelson **Brittany Kaplan**

Ed Barteski

Archival Producers

Holly Siegel Becca Bender

Motion Graphics

OAKES

Still Photography Animation

Chris King Will Rahilly

Visual Effects

Chris Connolly Andy Cahill

FLYfx

Colorist

Chris Connolly

Supervising Sound Editor/Re-

Recording

Richard Fairbanks

Story Consultant Associate Editor

Michael Epstein Brittany Kaplan

Assistant Editors

Ryan Dilts Jamie Unruh **Todd Goings**

Edward Wardrip Alex Ragona Scott Davis

Pre-Production Editor Post Production Engineer

Ben Meadors

Synching

John Torrani Melissa Weiss

Apprentice Editors

Cat Harris Mischa Aletta Rachel Bozich

Music Editing and Mix

Thomas Rutishauser

Sound Effects

Andrea Bella

Additional Sound Effects

Kevin Peters Juan Manuel Rios

Foley Artist Layback

Brian Vancho

Sound Recording

Framerunner Len Schmitz Roger Phenix

Mark Mandler Adriano Bravo John Chase Frank Coakley John Gooch Anton Herbert Steven LaFayette

Caleb Mose Zak Piper

Nejc Poberaj Mark Roy Paul Schmitz Chris Strollo Charles Tomaras Nora Ballard

Additional Cinematography

Nora Ballard Ulli Bonnekamp John Chater Raphael De La Uz Rob Goldie

Ryder Haske Wolfgang Held Robert Humphreys Tom Hurwitz

Tom Hurwitz
Edward Marritz
Ali Sargent
Justine Pierce
Bonnie Foster

Additional Archival Producer

Researcher
Fact Checker
Script Assistant
Production Associates

Jillian Bergman
Alexander Black
Ali Scattergood
Andrew Balamaci
CLK Transcription, Inc.

Transcription Interns

Max Bloom

Anna Blum Caitlin Davis Galen Davis Amanda Douville

Joss Fong Lorelai Germain Bahar Gholipour Lucas Habte Andy Han

Rachel Hawatmeh Renusha Indralingam

Alexa Kurzius
Caroline Levine
Claire Maldarelli
Caroline Monahan
Hannah Newman
Paola Ochoa
Tandice Ossareh
Hsuan-Yu Pan
Clare Shin
Raghib Siddiqui
Ankita Sud
Ansa Varughese
Skyler Weinstein
Rebecca Welsh
ABC VideoSource

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American Cancer Society

American Society of Clinical Oncology

AP Archive AP Images

Gary Azon

Linda Bartlett

BBC/ Getty Images

Dr. Michael Bishop

Blood Detectives," Directed by Joseph

Lovett, Produced by Lovett Productions,

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Co-Created by Sarah Klein and Tom Mason

Music By
Graphics and Associate Editing
Illustration
Animation
Ryan Whittier
Garrett Weinholtz
Nina Frenkel
Arthur Jones

Arthur Jones
Joshua Frank
Catherine Goldschmidt

Sound Phil Shipman
Casting Gina Boyer
Special Thanks To Anne Grant

Additional Camera

Barbara Bradfield

Garrett Weinholtz

Archival Materials

The Green Family

The Fornoff Family

The Waters Family

Star Herrmann

Amy Mone

The Siegel Family

Vanessa Wasta

Ali Pomeroy

S.H.A.R.E.

The Wilson and Dauphin Family

Alina Morris

Andrew Huff

Barbara Harkins

Beth Fisher

CancerCare

David Carbone

Gilda's Club New York City

David Keegan

Douglas Atkins

Elisa Williams

Ethan Mitchell

Jack Eckert

Jane Winton

Jeff Krulik

John Ziegler

Judy Grosberg Kristina Bedford

Margaret Hughes

Polly Petit

Rachel Taketa

Sarah Eilers

Shirley Horn

Stephen Greeenberg

Susan Merrell

Terrence Hurley

Wendy Stokes

Special Thanks To The staff at The Johns Hopkins Kimmel

Cancer Center

The staff at Howard University Hospital

The staff at Cedars-Sinai Medical

Center

All the patients and families who

graciously allowed us to film their

journey

All of our interviewees who have made significant contributions toward the fight against cancer, and took the time to

speak with us

And in memory of those who passed in the course of the making of this film.

For WETA

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Vice President, Production

Jim Corbley

Management

Vice President, National Engagement & Interactive Media Interactive Media and Outreach

General Counsel Vice President, Program **Development & Syndication** Senior Director, Station Relations Project Manager Vice President, External Affairs Director, National Publicity Series Art Director **Project Director Production Controller**

Cancer: The Emperor of All Maladies is a production of Florentine Films, Laura Ziskin Pictures and WETA Washington, D. C. in association with Ark Media which are solely responsible for its content.

Anne Harrington

Justin Rhodes Kathryn Wilson Lisa Delaney Karen Fritz

Suzanne Masri Khanh Phan Mary Stewart Kate Kelly Cynthia Aldridge Susie Miles Krystal Fogg

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CANCER: The Emperor of all Maladies - Episode Three:

Finding the Achilles Heel Credits

Episode 3

A Film by

Barak Goodman

Executive Producer

Ken Burns

Executive Producers

Dalton Delan David S.Thompson Pamela Oas Williams Laura Ziskin

Edited by

Nancy Novack

Written by

Geoffrey Ward and Ken Burns Barak Goodman & David Blistein

Directed by

Chris Durrance and Barak Goodman

Closing Credits EPISODE THREE

Senior Creative Consultant Ken Burns Series Producer Barak Goodman

Based on the book "The Emperor of All Maladies: A Biography of

Cancer" by Siddhartha Mukherjee

Narrator Edward Herrmann Field Producers Lindsey Megrue Ali Sargent

Jamila Ephron

Emily Singer Chapman

Music Composed By Greg Kalember

Ed Bilous David Cieri

Additional Music by Joel Goodman

Graphics and Animation Molly Schwartz Studio

Jen Glabus
Dana Schechter
Jason Conradt
Garry Waller
Sean Donnelly
Ray Lewis

Senior Scientific Advisors

Daniel Kamhaji

Dr. Harold Varmus

Dr. Robert Weinberg

Associate Producers Holly Siegel

Tom Denison Nora Ballard

Directors of Photography Robert Hanna

Stephen McCarthy

Sam Russell Stef Gordon

Line Producer

Post Production Supervisor Stephen Altobello Additional Directing Deborah Dickson

Jack Youngelson

Additional Editing Peter R. Livingston, Jr.

Jamie Unruh

Archival Producers Holly Siegel

Becca Bender

Motion Graphics OAKES

Chris King

Still Photography Animation Andy Cahill

FLYfx

Visual Effects

Chris Connolly

Supervising Sound Editor/Re-

Chris Connolly Richard Fairbanks

Recording

Colorist

Associate Editor Lead Assistant Editor Assistant Editors

Jamie Unruh Brittany Kaplan Ryan Dilts Todd Goings

Edward Wardrip Alex Ragona Scott Davis

Pre-Production Editor
Post Production Engineer

Apprentice Editors

Synching

Scott Davis
Ben Meadors
Cat Harris

Mischa Aletta Rachel Bozich John Torrani

Melissa Weiss

Music Editor

Dialog Editor

Sound Effects

Melissa Weiss

Jordan Moser

Jeffrey Stern

Kevin Peters

Foley Artist Brian Vancho
Layback Framerunner
Sound Pocording Lon Schmitz

Sound Recording

Len Schmitz

Roger Phenix

Mark Mandler

Richard C. Aylsworth

Adriano Bravo
Susan Bryant
Michael Boyle
Mario Cardenas
Frank Coakley
Dustin Eddo
John Gooch

Steve Guercio

Anton Herbert Steve Hopkins Marc Hoppe **Chad Hunt** Steven LaFayette

Daniel McMullen Caleb Mose Zak Piper Nejc Poberaj Anna Rieke Mark Roy

Stephen Schmidt Paul Schmitz **Charles Tomaras** Nora Ballard

Additional Cinematography

Ulli Bonnekamp John Chater Rafael De La Uz Rob Goldie Steve Guercio Wolfgang Held Ryder Haske Kevin Hudson Robert Humphreys **Edward Marritz**

Ali Sargent Sam Shinn Brian Wengrofsky

Christina Wolf Justine Pierce

Additional Archival Producer

Bonnie Foster Jillian Bergman Alexander Black Ali Scattergood Andrew Balamaci

Transcription CLK Transcription, Inc.

Greg Brutus Brian Taylor JP Fulks Victor Taibi Joshua Benson

Interns Max Bloom Anna Blum Caitlin Davis Galen Davis Amanda Douville

Joss Fong Lorelai Germain Bahar Gholipour Lucas Habte Andy Han

Rachel Hawatmeh Renusha Indralingam

Alexa Kurzius Caroline Levine

Researcher **Fact Checker** Script Assistant **Production Associates**

Assistant Camera

Production Assistant

Claire Maldarelli Caroline Monahan

Hannah Newman

Paola Ochoa

Tandice Ossareh

Hsuan-Yu Pan

Clare Shin

Raghib Siddiqui

Ankita Sud

Ansa Varughese

Skyler Weinstein

Rebecca Welsh

ABC VideoSource

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Catherine Goldschmidt Garrett Weinholtz Phil Shipman

Sound Phil Shipman
Casting Gina Boyer
Special Thanks to Douglas Atkins
Holly Auer

Holly Auer
Angela Bayes
The Blair Family
The Brown Family
The Carrington Family
The Cermak Family

Archival Materials

Website Short Films

Additional Camera

Graphics and Associate Editing

Co-Created by

Music By

Illustration

Animation

Johanna Cook

The Cole Family

Beverly Farmer

Beth Fisher

The Gomez Family

The Hager Family

The Hartzog Family

Star Herrmann

The Hisey Family

Andrew Huff

Terence Hurley

David Keegan

Life Sciences Foundation

Dr. David Mendez

Amy Mone

Alina Morris

Alan Mortensen

Ali Pomeroy

The Rodighiero Family

The Rogers Family

Rachel Salis-Silverman

The Santos Family

Wendy Stokes

Karen Taphorn

Rachel Taketa

The Tonkin Family

The Top of The World, Baltimore, MD

Vanessa Wasta

The Waters Family

The Whitehead Family

The Wilson and Dauphin Family

Jane Winton

Timothy Wisniewski

Dale Witte

The staff at Abramson cancer Center of

the University of Pennsylvania

The staff at Charleston Area Medical

Center in West Virginia

The staff at Children's Hospital of

Philadelphia

The staff at David Lee Cancer Center The staff at Johns Hopkins Kimmel

The stail at Johns Hopkins Killin

Cancer Center

The staff at Memorial Sloan Kettering The staff at National Cancer Institute All the patients and families who graciously allowed us to film their

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All of our interviewees who have made significant contributions toward the fight against cancer, and took the time to

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And in memory of those who passed in the course of the making of this film.

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Vice President, National

Engagement & Interactive Media Interactive Media and Outreach

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Vice President, Program
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Senior Director, Station Relations

Project Manager

Vice President, External Affairs Director, National Publicity

Series Art Director Project Director Production Controller

Cancer: The Emperor of All

Maladies

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Sharon Percy Rockefeller Jim Corbley

Anne Harrington

Justin Rhodes Kathryn Wilson Lisa Delaney Karen Fritz

Suzanne Masri Khanh Phan Mary Stewart Kate Kelly Cynthia Aldridge Susie Miles Krystal Fogg