

**ARIZONA PROSTATE CANCER
TASK FORCE REPORT**

**Submitted to:
Governor Jane Hull,
Speaker of the House Jim Weiers and
President of the Senate Brenda Burns**

November 15, 2000

Chair: Daniel Von Hoff, M.D., F.A.C.P.

Office of the Director
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November 15, 2000

The Honorable Jim Weiers
Speaker of the House
Arizona House of Representatives
Capitol Complex
1700 West Washington
Phoenix, AZ 85007

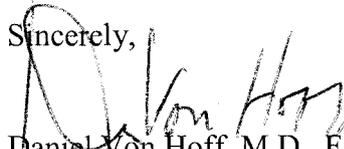
Re: Report from the Prostate Cancer Task Force

Dear Speaker Weiers:

Attached is a copy of the inaugural report of the Prostate Cancer Task Force. On behalf of the Task Force members, I am pleased to present this document to you. While it is very early in the formal establishment of this group of individuals committed to eradicating prostate cancer, I think the accomplishments after one formal meeting are notable.

If I can answer any questions or provide you with additional information, please contact me at my office at 520-626-7925. Thank you for the opportunity to serve the State of Arizona in its efforts to make a difference against this disease.

Sincerely,



Daniel Von Hoff, M.D., F.A.C.P.
Professor of Medicine
Director, Arizona Cancer Center

Introduction

Prostate cancer is the most common form of non-skin cancer in men in the United States. This year alone it is estimated that 180,400 men will be diagnosed with prostate cancer and nearly 32,000 men will die of this disease. Because prostate cancer is associated with increasing age in males, it is a particularly important problem in the State of Arizona, which has a relatively large retirement population. In Arizona, prostate cancer represents the most common invasive cancer type with a crude rate of 133.9 patients per 100,000 males.

While the etiology of prostate cancer is not known, the incidence of prostate cancer increases with age. More than 75 percent of men diagnosed with prostate cancer are over age 65 years. African American men and men with a family history of prostate cancer are at higher risk of developing the disease.

In addition to its common occurrence, prostate cancer is characterized by its wide biologic variability. This presents a difficult problem in managing the disease. While the disease remains organ confined in most men, in some individuals there is rapid progression of the cancer with widespread bony metastases and severe morbidity and mortality. Currently, there are no methods available to predict those men with prostate cancer who are going to have aggressive tumors and require radical therapy, versus those men with prostate cancer who have slow growing tumors that may never become clinically apparent.

During 1992-1996, prostate cancer mortality rates significantly declined in both white and black men. Unfortunately, rates among black men remain twice as high as rates in white men. Overall, survival rates for all stages of prostate cancer has increased from 67 percent to 92 percent, with 67 percent of men surviving for 10 years and 52 percent surviving for 15 years.

The establishment of a Prostate Cancer Task Force for Arizona provides a unique opportunity to study and evaluate the impact that this disease is having on men in Arizona and how we can make a difference against this disease. Currently in Arizona there are approximately 3,000 new cases of prostate cancer and approximately 600 deaths resulting from this disease.

Inaugural Meeting

The Prostate Cancer Task Force held its first official meeting on September 14, 2000 at the Cancer Research Institute, Arizona State University. In addition to the Task Force, the following individuals were in attendance: Michael Gordon from the Arizona Health Sciences Center Phoenix Campus; Jack Knight, and Robin Pettit, and Bob Byars from the Cancer Research Institute; Judy Bernas from the University of Arizona College of Medicine; Brian McAnallen from the American Cancer Society and Laurie Young from the Arizona Cancer Center.

In an effort to make a difference against prostate cancer in Arizona, the Task Force agreed on a goal: *To reduce the mortality of prostate cancer by 50 percent over five years and by 90 percent over the next decade.* To accomplish this goal, working teams to address specific areas of focus were established. These working teams will focus on the mission of Task Force as outlined in

the legislation. The teams include Research, Ways and Means, and Education/Informatics. Task Force members and other interested parties volunteered to serve on one or more team.

Research Team

Team Leader: Michael Gordon
Team Members: Robin Pettit, Dan Von Hoff, Ralph Valle, Gordon Grado, Tom Fitch, Gil Brito, Sid Rosen, Gloria Sanak, Brian McAnallen

The Research Team discussed the need to establish an Arizona Prostate Cancer Tissue and Serum Bank. Such a bank would ensure that both tissue and serum are available to apply the latest molecular techniques to make a major impact against prostate cancer. The bank will lead to the identification of therapeutic and prevention targets for prostate cancer. This will result in our ability to more effectively treat patients with prostate cancer by identifying targets that separate aggressive from non-aggressive cases.

We propose that the bank be established at the Arizona Cancer Center at Scottsdale Healthcare Shea with particular attention to quality control. Since tumor specimens will be collected from a variety of patients in different locations with different methods of tissue handling, it will be critical to get this part of the bank set up correctly.

Our second focus will be to utilize the bank to test specific prognostic factors which can be used to determine which patients might require more aggressive therapy, versus those who would not require extensive therapy. The first possible prognostic factor to be examined will be Trk A, a marker which predicts which patients will have nerve invasion and, as a result, subsequent pain.

Lastly, using the bank, we will be able to identify new therapeutic and prognostic markers in prostate cancer cells. The initial technology used to identify these targets will be microarray. Identification of these targets can lead to the development of new therapeutic agents through the extensive drug discovery research efforts already taking place in Arizona.

To accomplish these goals, a grant entitled "Establishment of the Arizona Prostate Cancer Tissue and Serum Bank for the purposes of improving life for men with prostate cancer," has been submitted to the Arizona Disease Control Research Commission for funding consideration. The grant is seeking \$150,000 a year for three years. Proposal were due November 15, 2000. Task Force Members Dr. Daniel Von Hoff and Dr. Gil Brito, as well as Pathologists Dr. Peter Jolma, of Scottsdale Healthcare, and Dr. Ray Nagle, of University Medical Center, will serve as investigators on this grant. If funded, the start date would be July 1, 2001.

Other discussions by the Research Team included the potential need for men with prostate cancer to have future studies done on their original tumor samples to determine if newly identified prognostic factors are present. Tissue blocks of these tumors, taken at the time of original surgery to remove the tumor, are stored by the Clinical Pathology Departments in hospitals. The College of American Pathologists recommends that blocks be stored for five years. A survey of Arizona hospitals should be conducted to determine the length of time tissue blocks are stored. It may be necessary to enact legislation that would enable patients to obtain a representative block

of their tumor before it is discarded after five years for future prognostic or therapeutic target testing, as the current recommended storage time may no longer be adequate.

The incidence of prostate cancer is much lower among Hispanic men compared to incidence rates among African American or white males. In Arizona, the crude incidence rate of prostate cancer is 131 cases per 100,000 non-Hispanic males as compared to 71 cases per 100,000 Hispanic males. Another area of study that may be important would be to look at the protective benefits among Hispanic men.

A statewide evaluation of available clinical trials for patients with advanced or relapsing prostate cancer also is recommended. This would be an important resource for patients and their physicians.

Ways and Means Team

Team Leader: April Becker Team Members: Gene Felker, Gordon Grado, Gil Brito, Philip Poling

The Ways and Means Team met to discuss possible funding sources other than those that could potentially be made available through the Arizona Legislature. These resources would be used to support programs and activities to be recommended by the Task Force to improve and/or increase prostate cancer research, treatment, screening, public awareness, and public education.

At this time, the committee suggests that surveying state agencies and community organizations to determine what programs and resources are currently available in support of prostate cancer awareness and education programs will provide the first steps in prioritizing what is needed in our communities. Prioritizing of prostate cancer education and awareness programs will ensure that available funding is applied in the order of importance and feasibility. The committee feels that partnerships with the private sector as well as with companies with a vested interest in prostate cancer may provide valuable opportunities for financial support.

In addition, a feasibility study should be conducted relative to the following potential funding sources: the State Lottery, tobacco settlement dollars, funds raised through a “check-off box” added to State Income Tax forms, and the possibility of initiating a “Conquer Cancer” automobile license plate. Additional areas in which funding support could be sought include: establishing a major annual fund-raising social event, exploring statewide funding support through the United Way and the American Cancer Society, as well as through grant applications to other charitable foundations, trusts, State and local commissions, corporations and individual donors.

Education/Informatics Team

Team Leader: Ralph Valle
Team Members: Gregory Muhammad, Art Mollen, Gene Felker, Samuel Arutt, April Becker, Gordon Grado, Tom Fitch, Rex Zeiger, Bert Chamberland

To meet the goal agreed upon by the Task Force, the Education/Informatics Team recommends the collection of accurate data regarding prostate cancer incidence and mortality, including racial and ethnic distributions on a statewide basis where statistically appropriate. The Team suggests that the Arizona Department of Health Services or a pertinent agency be contacted to gather statistically appropriate data on the latest available incidence and mortality rates. The statewide data should be defined by location, race and ethnicity.

Education and awareness are critical to making an impact on this disease. It would be important to increase awareness about the risk factors and test for prostate cancer so that men can make informed decisions about screening. The Education/Informatics Team recommends that \$100,000 in public funds be appropriated for a community-based statewide education campaign. The campaign should include:

- 1) Multi-media educational materials including brochures and posters, videos, computer-based resources, and radio and television announcements.
- 2) An annual statewide symposium and local forums on prostate cancer
- 3) Newspaper articles/feature stories
- 4) Radio and television talk/call-in programs (particularly for the Hispanic and African-American communities).
- 5) Presentations to community groups (e.g. social and civic organizations, men's clubs and lodges, fraternities, alumni associations, faith-based organizations, unions, and in the workplace).

Part of the campaign should focus on men at high risk for prostate cancer (e.g. African-American men and men with a family history of prostate cancer). Representatives from the general public, prostate cancer survivors and health care professionals should be involved in planning for such a campaign. Communication strategies and educational messages should be based on research that demonstrates effective ways for reaching various racial and ethnic groups, age groups and literacy groups.

Conclusion

Prostate cancer affects many Arizonans either directly or as a result of a diagnosis of a relative or friend. While there are no funds currently appropriated to increase awareness of prostate cancer, improve access to early detection techniques, or increase laboratory or clinical research on prostate cancer, the Task Force is committed to studying ways to improve and/or increase these areas of focus.

The Task Force will continue, through reports to the Governor, Speaker of the House and President of the Senate, to provide updates of its findings as well as a perspective on how Arizona is doing in the battle against prostate cancer from prevention through survival.

List of Appendices

Prostate Cancer Task Force Legislation

Prostate Cancer Task Force Members

Prostate Cancer Task Force Meeting Minutes

Prostate Cancer Awareness Month Proclamation

Arizona Prostate Cancer Task Force Report

Conference Engrossed

State of Arizona
Senate
Forty-fourth Legislature
Second Regular Session
2000

SENATE BILL 1043

AN ACT

AMENDING TITLE 36, CHAPTER 1, ARTICLE 2, ARIZONA REVISED STATUTES, BY ADDING SECTION 36-142; RELATING TO THE DEPARTMENT OF HEALTH SERVICES.

(TEXT OF BILL BEGINS ON NEXT PAGE)

Be it enacted by the Legislature of the State of Arizona:

Section 1. Title 36, chapter 1, article 2, Arizona Revised Statutes, is amended by adding section 36-142, to read: 36-142. Prostate cancer task force; membership; duties; program termination

A. THE PROSTATE CANCER TASK FORCE IS ESTABLISHED CONSISTING OF THE FOLLOWING MEMBERS:

1. THE DIRECTOR OF THE CANCER RESEARCH INSTITUTE AT ARIZONA STATE UNIVERSITY OR THE DIRECTOR'S DESIGNEE. THIS MEMBER SHALL ACT AS CHAIRPERSON OF THE TASK FORCE IN ODD-NUMBERED YEARS.
2. THE DIRECTOR OF THE ARIZONA CANCER CENTER AT THE UNIVERSITY OF ARIZONA OR THE DIRECTOR'S DESIGNEE. THIS MEMBER SHALL ACT AS CHAIRPERSON OF THE TASK FORCE IN EVEN-NUMBERED YEARS.
3. THE CHAIRPERSON OF THE ARIZONA DISEASE CONTROL RESEARCH COMMISSION OR A MEMBER OF THAT COMMISSION DESIGNATED BY ITS CHAIRPERSON.
4. THE FOLLOWING MEMBERS WHO ARE APPOINTED BY THE GOVERNOR:
 - (a) A PHYSICIAN WHO IS LICENSED PURSUANT TO TITLE 32, CHAPTER 13 OR 17 AND WHO SPECIALIZES IN UROLOGY.
 - (b) A PHYSICIAN WHO IS LICENSED PURSUANT TO TITLE 32, CHAPTER 13 OR 17 AND WHO SPECIALIZES IN ONCOLOGY.
 - (c) A PHYSICIAN WHO IS LICENSED PURSUANT TO TITLE 32, CHAPTER 13 OR 17 AND WHO SPECIALIZES IN RADIATION ONCOLOGY.
 - (d) A PHYSICIAN WHO IS LICENSED PURSUANT TO TITLE 32, CHAPTER 13 OR 17 AND WHO SPECIALIZES IN INTERNAL MEDICINE.
 - (e) A PERSON WHO REPRESENTS A STATEWIDE ORGANIZATION THAT PROMOTES CANCER AWARENESS.
 - (f) TWO SURVIVORS OF PROSTATE CANCER.
 - (g) TWO REPRESENTATIVES OF THE BUSINESS COMMUNITY.
 - (h) TWO PUBLIC MEMBERS WITH A DEMONSTRATED INTEREST IN THE AREA OF EDUCATING THE PUBLIC REGARDING THE RISKS AND PREVENTION OF CANCER.

5. TWO SURVIVORS OF PROSTATE CANCER. THE PRESIDENT OF THE SENATE AND THE SPEAKER OF THE HOUSE OF REPRESENTATIVES SHALL EACH APPOINT ONE OF THESE MEMBERS.

6. TWO PUBLIC MEMBERS WITH A DEMONSTRATED INTEREST IN THE AREA OF EDUCATING THE PUBLIC REGARDING THE RISKS AND PREVENTION OF CANCER. THE PRESIDENT OF THE SENATE AND THE SPEAKER OF THE HOUSE OF REPRESENTATIVES SHALL EACH APPOINT ONE OF THESE MEMBERS.

B. THE TASK FORCE SHALL:

1. MEET AT LEAST FOUR TIMES A YEAR AND AT THE CALL OF THE CHAIRPERSON.
2. COLLECT RESEARCH AND INFORMATION ON PROSTATE CANCER.
3. EVALUATE VARIOUS APPROACHES USED BY STATE AND LOCAL GOVERNMENTS TO INCREASE PUBLIC AWARENESS OF THE RISK, TREATMENT AND PREVENTION OF PROSTATE CANCER.

Arizona Prostate Cancer Task Force Report

4. STUDY WAYS TO IMPROVE COORDINATION BETWEEN AGENCIES AND INSTITUTIONS THAT ARE INVOLVED IN RESEARCH AND TREATMENT OF PROSTATE CANCER.

5. STUDY WAYS TO INCREASE RESEARCH AND FUNDING AT STATE INSTITUTIONS THAT ARE STUDYING CANCER.

6. STUDY WAYS TO INCREASE THE NUMBER OF MEN IN THIS STATE WHO ARE REGULARLY SCREENED FOR PROSTATE CANCER.

7. IDENTIFY AREAS WHERE PUBLIC AWARENESS, PUBLIC EDUCATION, RESEARCH AND COORDINATION ABOUT PROSTATE CANCER NEED IMPROVEMENT.

8. SUBMIT AN ANNUAL REPORT OF ITS FINDINGS AND RECOMMENDATIONS TO THE GOVERNOR, THE SPEAKER OF THE HOUSE OF REPRESENTATIVES AND THE PRESIDENT OF THE SENATE ON OR BEFORE NOVEMBER 15. THE TASK FORCE SHALL PROVIDE A COPY OF ITS REPORT TO THE SECRETARY OF STATE AND THE DIRECTOR OF THE DEPARTMENT OF LIBRARY, ARCHIVES AND PUBLIC RECORDS.

C. MEMBERS WHO SERVE PURSUANT TO SUBSECTION A, PARAGRAPHS 1 AND 2 OF THIS SECTION SERVE FIVE YEAR TERMS AND MAY SERVE ONE ADDITIONAL TERM.

D. TASK FORCE MEMBERS ARE NOT ELIGIBLE TO RECEIVE COMPENSATION BUT MEMBERS WHO SERVE PURSUANT TO SUBSECTION A, PARAGRAPHS 1 AND 2 OF THIS SECTION ARE ELIGIBLE TO RECEIVE REIMBURSEMENT OF EXPENSES PURSUANT TO TITLE 38, CHAPTER 4, ARTICLE 2 FROM THEIR EMPLOYERS.

E. THE PROGRAM ESTABLISHED BY THIS SECTION ENDS ON JULY 1, 2010 PURSUANT TO SECTION 41-3102.

Sec. 2. Initial terms of appointed members of the prostate cancer task force

A. Notwithstanding section 36-142, Arizona Revised Statutes, as added by this act, the initial terms of appointed members are:

1. Two terms ending January 1, 2002.
2. Two terms ending January 1, 2003.
3. Four terms ending January 1, 2004.
4. Five terms ending January 1, 2005.

B. The governor, the speaker of the house of representatives and the president of the senate shall make all subsequent appointments as prescribed by statute.

Sec. 3. Emergency

This act is an emergency measure that is necessary to preserve the public peace, health or safety and is operative immediately as provided by law.

Prostate Cancer Task Force Members

G. Robert Pettit, Ph.D.
Daniel Von Hoff, M.D., F.A.C.P.
Henry Reeves, Ph.D.

Director, Cancer Research Institute, ASU
Director, Arizona Cancer Center, UA
Chair, Arizona Disease Control Research Commission

Governor Appointees

C. Gilberto Brito, M.D.
Tom Fitch, M.D.
Gordon Grado, M.D.
Art Mollen, D.O.
April Becker
Bert Chamberland, Ph.D.
Samuel Arutt
Gloria Sanak
Philip Poling
Rex Zeiger
Norman L. Miller

Appointment Area

Urology Specialist
Oncology Specialist
Radiation Oncology Specialist
Internal Medicine Specialist
Statewide Organization Promoting Awareness
Prostate Cancer Survivor
Prostate Cancer Survivor
Representative of Business Community
Representative of Business Community
Public Education – Cancer Risk and Prevention
Public Education – Cancer Risk and Prevention

Speaker of House Appointees

Gregory Muhammad, M.D.
Ralph Valle

Appointment Area

Public Education – Cancer Risk and Prevention
Prostate Cancer Survivor

President of Senate Appointees

Sidney Rosen
Gene Felker

Appointment Area

Public Education – Cancer Risk and Prevention
Prostate Cancer Survivor

Prostate Cancer Taskforce Meeting Minutes

The inaugural meeting of the Prostate Cancer Task Force was held on Thursday, September 14, 2000, from noon to 2 p.m. at the Cancer Research Institute, Room 151, on the Arizona State University Campus.

Members Present:

Samuel Arutt,	Greg Muhammad, M.D.
April Becker	Philip Poling
Gil Brito, M.D.	Henry Reeves
Bert Chamberland, Ph.D.	Sidney Rosen
Gene Felker	Gloria Sanak
Tom Fitch, M.D.	Ralph Valle
Gordon Grado, M.D.	Daniel Von Hoff, M.D., F.A.C.P.
Art Mollen, D.O.	Rex Zeiger

Members Absent:

Lee Miller	G. Robert Pettit, Ph.D.
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Attending for Members:

Jack Knight, Ph.D. for G. Robert Pettit, Ph.D.

Guests:

Judy Bernas (University of Arizona College of Medicine)
Brian McAnallen (American Cancer Society)
Robert Byars (Cancer Research Institute, Arizona State University (ASU))
Dr. Michael Gordon (Arizona Health Sciences Center, Phoenix Campus)
Jack Knight (Cancer Research Institute, ASU)
Robin Pettit (Cancer Research Institute, ASU)
Laurie Young (Arizona Cancer Center)

Facilitator:

Daniel Von Hoff, M.D., F.A.C.P.

Introductions and Certificate Distribution

The meeting began with a welcome from Dr. Von Hoff. He then asked everyone to introduce themselves, briefly describe their experience with prostate cancer and what they hope to see the task force accomplish. Certificates from the Governor's Office were distributed to those members appointed by the Governor.

Charge from the Governor/Legislature

Dr. Von Hoff presented an overview of the incidence and mortality rates for prostate cancer in Arizona. He then reviewed the mission of the task force as outlined in the legislation. There was a brief discussion of the task force requirements and the fact that this is an unfunded mandate.

Arizona Prostate Cancer Task Force Report

Possible Methods to Approach the Charge

The Task Force agreed on a goal: *To reduce the mortality of prostate cancer by 50 percent over five years and by 90 percent over the next decade.* To accomplish this goal, establishing working teams to address areas of focus were recommended. The following teams were formed and members volunteered to serve on one or more team.

Research Team

Team Leader: Michael Gordon
Team Members: Robin Pettit, Dan Von Hoff, Ralph Valle, Gordon Grado, Tom Fitch, Gil Brito, Sid Rosen, Gloria Sanak, Brian McAnallen
Action items: Establish a Prostate Cancer Tumor Bank (ADCRC Grant), study protective benefits among Hispanic Men, "Keep the Tissue" legislation to save tumor blocks, clinical trials for relapsing patients.

Ways and Means Team

Team Leader: Gene Felker
Team Members: April Becker, Gordon Grado, Gil Brito, Philip Poling
Action items: Fund raising opportunities, creation of an "Arizona Prostate Cancer Action Plan (similar to New Jersey and Florida plans).

Informatics Team

Team Leader: Ralph Valle
Team Members: Gregory Muhammad, Art Mollen, Gene Felker, Samuel Arutt, April Becker, Gordon Grado, Tom Fitch, Rex Zeiger, Bert Chamberland
Action Plan: Establish a web site with local clinical trials information, promote the new SELECT study, increase awareness, increase usage of PSA, Prostate Cancer Awareness Month, create a speakers bureau, prostate partners plan (survivors and doctors meet with new patients).

Team leaders will organize their teams meetings. Team reports will be due to Dr. Von Hoff on Monday, October 30, 2000. From these team reports, a final report from the Task Force will be delivered to the Governor's office by Wednesday, November 15, 2000. It was proposed that the report be hand-delivered to the Governor, the President of the Senate and the Speaker of the House by Dr. Von Hoff and the Working Team Chairs. Further discussion of this recommendation will be done by phone as Nov. 15 approaches.

Another Meeting of the Task Force will be planned following the Nov. 15 deadline of the Task Force Report to the Governor.

ADDENDUM TO THE MINUTES:

April Becker was asked by Gene Felker to replace him as Team Leader for the Ways and Means Team.

Office of the Governor

PROCLAMATION

* PROSTATE CANCER AWARENESS MONTH *

WHEREAS, prostate cancer is the most diagnosed form of cancer and the second leading cause of cancer-related death among men, and

WHEREAS, according to statistical data supplied by the American Cancer Society, there will be an estimated 180,400 new cases of prostate cancer nationally in 2000, and there will be an estimated 31,900 deaths from prostate cancer in this same year, and

WHEREAS, in Arizona it is estimated that 20,300 new cases of cancer will be diagnosed, 3,300 will involve cancer of the prostate which will result in an estimated 700 deaths in this State, and

WHEREAS, nationally the number of deaths from prostate cancer has more than doubled over the past 30 years, killing 15,173 men in 1962 and an estimated 31,900 in year 2000, and

WHEREAS, the importance of early detection in the survival of prostate cancer patients highlights the need for widespread awareness of the signs and symptoms of the disease and reinforces the rationale for increased efforts to educate the public about prostate cancer, and

WHEREAS, the Arizona Prostate Cancer Task Force, the Arizona US TOO Prostate Cancer Support Groups, the Arizona African American Advisory Council, the Southwest Prostate Cancer Foundation, and the Southwest Division of the American Cancer Society, are dedicated to promoting awareness, information and assistance to Arizona's citizens of this dreaded disease;

NOW, THEREFORE, I, Jane Dee Hull, Governor of the State of Arizona, do hereby proclaim September, 2000 as

* PROSTATE CANCER AWARENESS MONTH *

IN WITNESS WHEREOF, I have hereunto set my hand and caused to be affixed the Great Seal of the State of Arizona

Jane Dee Hull
GOVERNOR

DONE at the Capitol in Phoenix on this eleventh day of September in the year Two Thousand and of the Independence of the United States of America the Two Hundred and Twenty-fourth.

ATTEST:

Betsy Boyles
Secretary of State

