

DAVID SIDRANSKY

CURRENT APPOINTMENTS

Professor, Otolaryngology-HNS
Professor, Oncology
Professor, Pathology
Professor, Cellular & Molecular Medicine
Professor, Urology
Johns Hopkins University School of Medicine
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OFFICE & LABORATORY

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EDUCATIONAL/PROFESSIONAL EXPERIENCE

1977-1978 Bar-Ilan University, Ramat-Gan, ISRAEL
1978-1981 B.S., Chemistry, Brandeis University, Waltham, MA, USA; Graduated Magna Cum Laude with Highest Honors
1981-1984 M.D., Baylor College of Medicine, Houston, TX, USA
1984-1985 Intern-Internal Medicine, Baylor College of Medicine, Houston, TX, USA
1985-1987 Resident-Internal Medicine, Baylor College of Medicine, Houston, TX, USA
1986-1987 Clinical Investigator Program, under the direction of Dr. Thomas Caskey, Institute of Molecular Genetics, Baylor College of Medicine, Houston, TX, USA
1987-1988 Chief Resident-Internal Medicine, Baylor College of Medicine, Houston, TX, USA
1988-1989 Senior Clinical Fellow in Oncology, Johns Hopkins Hospital, Baltimore, MD, USA
1989-1992 Research Fellow in Oncology under the direction of Dr. Bert Vogelstein, Johns Hopkins Oncology Center, Baltimore, MD USA
1992-1994 Assistant Professor in Oncology, Johns Hopkins Hospital, Johns Hopkins Oncology Center
1992-1994 Assistant Professor in Otolaryngology - Head and Neck Surgery, The Johns Hopkins University
1994-1998 Associate Professor in Oncology, Johns Hopkins Hospital
1994-1998 Associate Professor in Otolaryngology - Head and Neck Surgery, The Johns Hopkins University
1994-1998 Associate Professor in Cellular and Molecular Medicine, The Johns Hopkins University
1994-2021 Director, Head and Neck Cancer Research Division, The Johns Hopkins University
1998-Current Professor, Otolaryngology - Head and Neck Surgery, The Johns Hopkins University
1998-Current Professor, Oncology, Johns Hopkins Hospital, Johns Hopkins Oncology Center
1998-Current Professor, Pathology, Johns Hopkins Hospital
1998-Current Professor, Cellular and Molecular Medicine, The Johns Hopkins University.

SIDRANSKY, David, M.D.

1999-Current Professor, Urology, The Johns Hopkins University
1998-Current Professor, Genetics, The Johns Hopkins University

HONORS

1989-1991 National Research Service Award
1992 Young Investigators Merit Award
1992 Clinician Scientist Award - Johns Hopkins Hospital
1995 Foundation for the Promotion of Cancer Research Award (Japan)
1997 Sarstedt International Research Prize (German Society of Clinical Chemistry)
1998 Cheng Suen Man Shook Foundation Award (Hong Kong Cancer Institute)
1998 Walter Hubert Award (British Association of Cancer Research)
1998 The Alton Ochsner Award Relating Smoking and Health (American College of Chest Physicians)
1999 The International Union Against Cancer Role of Honour
2001 The Israel Cancer Research Fund Osserman Award
2004 AACR-Richard and Hinda Rosenthal Foundation Award
2007 Toby Comet Award Bar Ilan University
2017 AACR Team Award Theme Circulating DNA
2025 Fellow of the AACR

MEMBERSHIPS

1990-Current American Association for Cancer Research
1992-Current American Society for Microbiology
1992-Current American Association for the Advancement of Science
1992-Current American Society of Clinical Oncology

BOARDS

Flight Attendants Medical Research Foundation Chairman SAB (Miami, FL)
Adenocystic Carcinoma Research Foundation Chairman MAB (Boston, MA)
Galmed Pharmaceutical Board of Directors (Tel Aviv, Israel)
Champions Oncology Founder and Lead Director Board of Directors (Baltimore, MD)

NATIONAL INSTITUTE OF HEALTH

1996-Current Member, Developmental Diagnostics, NCI
1996-Current Member, Cancer Prevention and Control, NCI
1998-2003 Member, Board of Scientific Counselors, NIDCR
2005- 2010 Translational Research Working Group NCI
2001-2011 Chairman, Early Detection Research Network
2018-2022 National Board of Scientific Advisors NCI

EDITORIAL BOARDS

SIDRANSKY, David, M.D.

1994-2004 Senior Editor (Clinical Cancer Research)
2008- Present Senior Editor (Cancer Prevention Research)
1994-2004 Former Associate Editor (Cancer Research, Journal of the National Cancer Institute, British Journal of Cancer, JAMA Oncology, Oral Oncology, International Journal of Cancer, Journal of Clinical Oncology)

CERTIFICATIONS

1988 American Board of Internal Medicine
1991 American Board of Medical Oncology
1998 American Society for Head and Neck Surgery

PATENTS

PATENT NO.	TITLE
1 9,084,736	Extract of Lentinus for its action on cellulite and accumulations of fat
2 8,293,469	Biomarkers downregulated in prostate cancer
3 8,053,189	Method for the diagnosis of colorectal cancer
4 8,012,684	Method AQP, method for detecting cancer using the same, DNA chip having oligonucleotides of said mutated AQP sequence
5 8,008,012	Biomarkers downregulated in prostate cancer
6 7,824,889	Digital amplification
7 7,824,861	Method for quantitative analysis of transcripts with nucleotide polymorphism at specific site
8 7,537,938	Biomarker detection in circulating cells
9 7,470,534	Mutated AQP, method for detecting cancer using the same, DNA chip having oligonucleotides of said mutated AQP sequence
10 7,452,699	Amplification of DNA in a hairpin structure, and applications
11 7,175,750	System and method for temperature gradient capillary electrophoresis
12 7,115,364	Arrays of nucleic acid probes on biological chips
13 6,753,147	Digital amplification
14 6,479,234	Detection of hypermutable nucleic acid sequence in tissue and body fluids
15 6,476,206	p40 protein acts as an oncogene
16 6,440,706	Digital amplification
17 6,440,661	Method for detection of Kr-ras mutations and kit to perform it
18 6,291,163	Method for detecting cell proliferative disorders
19 6,235,470	Detection of neoplasia by analysis of saliva
20 6,204,374	Cell cycle regulatory gene
21 6,025,127	Nucleic acid mutation detection in histologic tissue
22 5,935,787	Detection of hypermutable nucleic acid sequence in tissue
23 5,908,920	Cell cycle regulatory gene
24 5,856,094	Method of detection of neoplastic cells
25 5,837,832	Arrays of nucleic acid probes on biological chips
26 5,767,258	Cell cycle regulatory gene

SIDRANSKY, David, M.D.

27 5,726,019	Analysis of sputum by amplification and detection of mutant nucleic acid sequences
28 5,561,041	Nucleic acid mutation detection by analysis of sputum

ARTICLES PUBLISHED IN PROFESSIONAL JOURNALS

1. Sidransky D; Von Eschenbach A; Tsai YC; Jones P; Summerhayes I; Marshall F; Paul M; Green P; Hamilton SR; Frost P; et. al. Identification of p53 gene mutations in bladder cancers and urine samples. *Science*. May 3, 1991; 252(5006):706-9. PMID: [2024123](#).
2. Hollstein M; Sidransky D; Vogelstein B; Harris CC. p53 mutations in human cancers. *Science*. July 5, 1991; 253(5015):49-53. PMID: [1905840](#).
3. Saylors RL 3rd; Sidransky D; Friedman HS; Bigner SH; Bigner DD; Vogelstein B; Brodeur GM. Infrequent p53 gene mutations in medulloblastomas. *Cancer Res*. September 1, 1991; 51(17):4721-3. PMID: [1873817](#).
4. Kastan MB; Onyekwere O; Sidransky D; Vogelstein B; Craig RW. Participation of p53 protein in the cellular response to DNA damage. *Cancer Res*. December 1, 1991; 51(23 Pt 1):6304-11. PMID: [1933891](#).
5. Sidransky D; Mikkelsen T; Schwechheimer K; Rosenblum ML; Cavanee W; Vogelstein B. Clonal expansion of p53 mutant cells is associated with brain tumour progression. *Nature*. February 27, 1992; 355(6363):846-7. PMID: [1311419](#).
6. Bennett WP; Hollstein MC; Hsu IC; Sidransky D; Lane DP; Vogelstein B; Harris CC. Mutational spectra and immunohistochemical analyses of p53 in human cancers. *Chest*. March 1992; 101(3 Suppl):19S-20S. PMID: [1541189](#).
7. Sidransky D; Frost P; Von Eschenbach A; Oyasu R; Preisinger AC; Vogelstein B. Clonal origin of bladder cancer. *N Engl J Med*. March 12, 1992; 326(11):737-40. PMID: [1445507](#).
8. Sidransky D; Tokino T; Hamilton SR; Kinzler KW; Levin B; Frost P; Vogelstein B. Identification of ras oncogene mutations in the stool of patients with curable colorectal tumors. *Science*. April 3, 1992; 256(5053):102-5. PMID: [1566048](#).
9. Sidransky D; Tokino T; Helzlsouer K; Zehnbauser B; Rausch G; Shelton B; Prestigiacomo L; Vogelstein B; Davidson N. Inherited p53 gene mutations in breast cancer. *Cancer Res*. May 15, 1992; 52(10):2984-6. PMID: [1581912](#).
10. Sidransky D; Messing E. Molecular genetics and biochemical mechanisms in bladder cancer. *Oncogene*. 1992; 19(4):629-39. PMID: [1441021](#).
11. Sidransky D; Boyle J; Koch W; van der Riet P. Oncogene mutations as intermediate markers. *J Cell Biochem Suppl*. 1993; 17F:184-7. PMID: [8412191](#).
12. Celano P; Berchtold CM; Mabry M; Carroll M; Sidransky D; Casero RA Jr; Lupu R. Induction of markers of normal differentiation in human colon carcinoma cells by the v-rasH oncogene. *Cell Growth Differ*. April 1993; 4(4):341-7. PMID: [8494794](#).
13. Leach FS; Tokino T; Meltzer P; Burrell M; Oliner JD; Smith S; Hill DE; Sidransky D; Kinzler KW; Vogelstein B. p53 Mutation and MDM2 amplification in human soft tissue sarcomas. *Cancer Res*. May 15, 1993; 53(10 Suppl):2231-4. PMID: [8387391](#).
14. Boyle JO, Hakim J, Koch W, van der Riet P, Hruban RH, Roa RA, Correo R, Eby YJ,

SIDRANSKY, David, M.D.

- Ruppert JM, Sidransky D. The incidence of p53 mutations increases with progression of head and neck cancer. *Cancer Res.* 1993 Oct 1;53(19):4477-80. PMID: [8402617](#)
15. Tokino T; Davidson N; Helzlsouer K; Zehnbauer B; Nakamura Y; Vogelstein B; Sidransky D. Absence of germline prohibitin mutations in early-onset breast-cancer. *Int J Oncol.* October 1993; 3(4):769-72. PMID: [21573431](#).
 16. Sidransky D; Boyle J; Koch W. Molecular screening. Prospects for a new approach. *Arch Otolaryngol Head Neck Surg.* November 1993; 119(11):1187-90. PMID: [8217077](#).
 17. Ruppert JM; Tokino K; Sidransky D. Evidence for two bladder cancer suppressor loci on human chromosome 9. *Cancer Res.* November 1, 1993; 53(21):5093-5. PMID: [8221642](#).
 18. van der Riet P; Karp D; Farmer E; Wei Q; Grossman L; Tokino K; Ruppert JM; Sidransky D. Progression of basal cell carcinoma through loss of chromosome 9q and inactivation of a single p53 allele. *Cancer Res.* January 1, 1994; 54(1):25-7. PMID: [8261448](#).
 19. Merlo A; Gabrielson E; Askin F; Sidransky D. Frequent loss of chromosome 9 in human primary non-small cell lung cancer. *Cancer Res.* February 1, 1994; 54(3):640-2. PMID: [8306323](#).
 20. Mao L; Sidransky D. Tetranucleotide repeat polymorphism in RAF1. *Hum Mol Genet.* March 1994; 3(3):521. PMID: [8012371](#).
 21. Nawroz H; van der Riet P; Hruban RH; Koch W; Ruppert JM; Sidransky D. Allelotype of head and neck squamous cell carcinoma. *Cancer Res.* March 1, 1994; 54(5):1152-5. PMID: [8118797](#).
 22. van der Riet P; Nawroz H; Hruban RH; Corio R; Tokino K; Koch W; Sidransky D. Frequent loss of chromosome 9p21-22 early in head and neck cancer progression. *Cancer Res.* March 1, 1994; 54(5):1156-8. PMID: [8118798](#).
 23. Cairns P; Tokino K; Eby Y; Sidransky D. Homozygous deletions of 9p21 in primary human bladder tumors detected by comparative multiplex polymerase chain reaction. *Cancer Res.* March 15, 1994; 54(6): 1422-4. PMID: [8137242](#).
 24. Erlich HA; Gorodezky C; Saiki R; Sidransky D; Sninsky J. Molecular biology of cancer, virus and HLA typing. *Rev Invest Clin.* April 1994; Suppl:59-61. PMID: [7886311](#).
 25. Mao L; Hruban RH; Boyle JO; Tockman M; Sidransky D. Detection of oncogene mutations in sputum precedes diagnosis of lung cancer. *Cancer Res.* April 1, 1994; 54(7):1634-7. PMID: [8137272](#).
 26. Mao L; Sidransky D. Cancer screening based on genetic alterations in human tumors. *Cancer Res.* April 1, 1994; 54(7 Suppl):1939s-1940s. PMID: [8137315](#).
 27. Merlo A; Mabry M; Gabrielson E; Vollmer R; Baylin SB; Sidransky D. Frequent microsatellite instability in primary small cell lung cancer. *Cancer Res.* April 15, 1994; 54(8):2098-101. PMID: [8174113](#).
 28. Merlo A; Gabrielson E; Mabry M; Vollmer R; Baylin SB; Sidransky D. Homozygous deletion on chromosome 9p and loss of heterozygosity on 9q, 6p, and 6q in primary human small cell lung cancer. *Cancer Res.* May 1, 1994; 54(9):2322-6. PMID: [8162574](#).
 29. Hruban RH; van der Riet P; Erozan YS; Sidransky D. Brief report: molecular biology and the early detection of carcinoma of the bladder—the case of Hubert H. Humphrey. *N Engl J Med.* May 5, 1994; 330(18):1276-8. PMID: [7993407](#).
 30. Thomas S; Brennan J; Martel G; Frazer I; Montesano R; Sidransky D; Hollstein M. Mutations

SIDRANSKY, David, M.D.

- in the conserved regions of p53 are infrequent in betel-associated oral cancers from Papua New Guinea. *Cancer Res.* July 1, 1994; 54(13):3588-93. PMID: [8012986](#).
31. Sidransky D. Molecular screening—how long can we afford to wait? *J Natl Cancer Inst.* July 6, 1994; 86(13):955-6. PMID: [8007015](#).
 32. Cairns P; Mao L; Merlo A; Lee DJ; Schwab D; Eby Y; Tokino K; van der Riet P; Blaugrund JE; Sidransky D. Rates of p16 (MTS1) mutations in primary tumors with 9p loss. *Science.* July 15, 1994; 265(5170):415-7. PMID: [8023167](#).
 33. Huang DP; Lo KW; van Hasselt CA; Woo JK; Choi PH; Leung SF; Cheung ST; Cairns P; Sidransky D; Lee JC. A region of homozygous deletion on chromosome 9p21-22 in primary nasopharyngeal carcinoma. *Cancer Res.* August 1, 1994; 54(15):4003-6. PMID: [8033130](#).
 34. Yoo GH; Xu HJ; Brennan JA; Westra W; Hruban RH; Koch W; Benedict WF; Sidransky D. Infrequent inactivation of the retinoblastoma gene despite frequent loss of chromosome 13q in head and neck squamous cell carcinoma. *Cancer Res.* September 1, 1994; 54(17):4603-6. PMID: [8062250](#).
 35. Koch WM; Boyle JO; Mao L; Hakim J; Hruban RH; Sidransky D. p53 gene mutations as markers of tumor spread in synchronous oral cancers. *Arch Otolaryngol Head Neck Surg.* September 1994; 120(9):943-7. PMID: [8074821](#).
 36. Balugrund JE; Johns MM Jr; Eby YJ; Ball DW; Baylin SB; Hruban RH; Sidransky D. RET proto-oncogene mutations in inherited and sporadic medullary thyroid cancer. *Hum Mol Genet.* October 1994; 3(10):1895-7. PMID: [7849720](#).
 37. Mao L; Lee DJ; Tockman MS; Erozan YS; Askin F; Sidransky D. Microsatellite alterations as clonal markers for the detection of human cancer. *Proc Natl Acad Sci U S A.* October 11, 1994; 91(21):9871-5. PMID: [7937908](#).
 38. Boyle JO; Mao L; Brennan JA; Koch WM; Eisele DW; Saunders JR; Sidransky D. Gene mutations in saliva as molecular markers for head and neck squamous cell carcinomas. *Am J Surg.* November 1994; 168(5):429-32. PMID: [7977967](#).
 39. Schoenberg M; Cairns P; Brooks JD; Marshall FF; Epstein JI; Isaacs WB; Sidransky D. Frequent loss of chromosome arms 8p and 13q in collecting duct carcinoma (CDC) of the kidney. *Genes Chromosomes Cancer.* January 1995; 12(1):76-80. PMID: [7534117](#).
 40. Bedi GC; Westra WH; Farzadegan H; Pitha PM; Sidransky D. Microsatellite instability in primary neoplasms from HIV + patients. *Nat Med.* January 1995; 1(1):65-8. PMID: [7584955](#).
 41. Sidransky D. Molecular markers in cancer diagnosis. *J Natl Cancer Inst Monogr.* 1995; (17):27-9. PMID: [8573448](#).
 42. Cairns P; Tokino K; Eby Y; Sidransky D. Localization of tumor suppressor loci on chromosome 9 in primary human renal cell carcinomas. *Cancer Res.* January 15, 1995; 55(2):224-7. PMID: [7812948](#).
 43. Brennan JA; Mao L; Hruban RH; Boyle JO; Eby YJ; Koch WM; Goodman SN; Sidransky D. Molecular assessment of histopathological staging in squamous-cell carcinoma of the head and neck. *N Engl J Med.* February 16, 1995; 332(7):429-35. PMID: [7619114](#).
 44. Sidransky D. Molecular markers in cancer: can we make better predictions? *Int J Cancer.* February 20, 1995; 64(1):1-2. PMID: [7665241](#).
 45. Koch WM; Patel H; Brennan J; Boyle JO; Sidransky D. Squamous cell carcinoma of the head and neck in the elderly. *Arch Otolaryngol Head Neck Surg.* March 1995; 121(3):262-5. PMID:

SIDRANSKY, David, M.D.

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46. Rabkin CS; Bedi G; Musaba E; Sunkutu R; Mwansa N; Sidransky D; Biggar RJ. AIDS-related Kaposi's sarcoma is a clonal neoplasm. *Clin Cancer Res*. March 1995; 1(3):257-60. PMID: [9815980](#).
 47. Brennan JA; Boyle JO; Koch WM; Goodman SN; Hruban Rh; Eby YJ; Couch MJ; Forastiere AA; Sidransky D. Association between cigarette smoking and mutation of the p53 gene in squamous-cell carcinoma of the head and neck. *N Engl J Med*. March 16, 1995; 332(11):712-7. PMID: [7854378](#).
 48. Sidransky D. Molecular genetics of head and neck cancer. *Curr Opin Oncol*. May 1995; 7(3):229-33. PMID: [7654824](#).
 49. Sidransky D. Screening for the clonal genetic alterations. *Eur J Cancer*. July-August 1995; 31A(7-8):1127-9. PMID: [7577006](#).
 50. Merlo A; Herman JG; Mao L; Lee DJ; Gabrielson E; Burger PC; Baylin SB; Sidransky D. 5' CpG island methylation is associated with transcriptional silencing of the tumor suppressor p16/CDKN2/MTS1 in human cancers. *Nat Med*. July 1995; 1(7):686-92. PMID: [7585152](#).
 51. Mao L; Merlo A; Bedi G; Shapiro GI; Edwards CD; Rollins BJ; Sidransky D. A novel p16INK4A transcript. *Cancer Res*. July 15, 1995; 55(14):2295-7. PMID: [7541708](#).
 52. Chang WY; Cairns P; Schoenberg MP; Polascik TJ; Sidransky D. Novel suppressor loci on chromosome 14q in primary bladder cancer. *Cancer Res*. August 1, 1995; 55(15):3246-9. PMID: [7614456](#).
 53. Bedi A; Barber JP; Bedi GC; el-Deiry WS; Sidransky D; Vala MS; Akhtar AJ; Hilton J; Jones RJ. BCR-ABL-mediated inhibition of apoptosis with delay of G2/M transition after DNA damage: a mechanism of resistance to multiple anticancer agents. *Blood*. August 1, 1995; 86(3):1148-58. PMID: [7620167](#).
 54. Sidransky D. Importance of chromosome 9p loss in human lung cancer. *J Natl Cancer Inst*. August 16, 1995; 87(16):1201-2. PMID: [7563160](#).
 55. Cairns P; Polascik TJ; Eby Y; Tokino K; Califano J; Merlo A; Mao L; Herath J; Jenkins R; Westra W; Rutter JL; Buckler A; Gabrielson E; Tockman M; Cho KR; Hedrick L; Bova GS; Isaacs W; Koch W; Schwab D; Sidransky D. et. al. Frequency of homozygous deletion at p16/CDKN2 in primary human tumours. *Nat Genet*. October 1995; 11(2):210-2. PMID: [7550353](#).
 56. Herman JG; Merlo A; Mao L; Lapidus RG; Issa JP; Davidson NE; Sidransky D; Baylin SB. Inactivation of the CDKN2/p16/MTS1 gene is frequently associated with aberrant DNA methylation in all common human cancers. *Cancer Res*. October 15, 1995; 55(20):4525-30. PMID: [7553621](#).
 57. Rosin MP; Cairns P; Epstein JI; Schoenberg MP; Sidransky D. Partial allelotype of carcinoma in situ of the human bladder. *Cancer Res*. November 15, 1995; 55(22):5213-6. PMID: [7585577](#).
 58. Polascik TJ; Cairns P; Chang WY; Schoenberg MP; Sidransky D. Distinct regions of allelic loss on chromosome 4 in human primary bladder carcinoma. *Cancer Res*. November 15, 1995; 55(22):5396-9. PMID: [7585608](#).
 59. Shapiro GI; Park JE; Edwards CD; Mao L; Merlo A; Sidransky D; Ewen ME; Rollins BJ. Multiple mechanisms of p16INK4A inactivation in non-small cell lung cancer cell lines.

SIDRANSKY, David, M.D.

- Cancer Res. December 15, 1995; 55(24):6200-9. PMID: [8521414](#).
60. Gartenhaus R; John MM 3rd; Wang P; Rai K; Sidransky D. Mutator phenotype in a subset of chronic lymphocytic leukemia. Blood. January 1, 1996; 87(1):38-41. PMID: [8547666](#).
 61. Sidransky D; Hollstein M. Clinical implications of the p53 gene. Annu Rev Med. 1996; 47:285-301. PMID: [8712782](#).
 62. Mao L; Schoenberg MP; Scicchitano M; Erozan YS; Merlo A; Schwab D; Sidransky D. Molecular detection of primary bladder cancer by microsatellite analysis. Science. February 2, 1996; 271(5249):659-62. PMID: [8571131](#).
 63. Schoenberg M; Kiemenev L; Walsh PC; Griffin Ca; Sidransky D. Germline translocation t(5;20)(p15;q11) and familial transitional cell carcinoma. J Urol. March 1996; 155(3):1035-6. PMID: [8583556](#).
 64. Johns MM 3rd; Westra WH; Califano JA; Eisele D; Koch WM; Sidransky D. Allelotype of salivary gland tumors. Cancer Res. March 1, 1996; 56(5):1151-4. PMID: [8640776](#).
 65. Brennan JA; Sidransky D. Molecular staging of head and neck squamous carcinoma. Cancer Metastasis Rev. March 1996; 15(1):3-10. PMID: [8842476](#).
 66. Fujii H; Marsh C; Cairns P; Sidransky D; Gabrielson E. Genetic divergence in the clonal evolution of breast cancer. Cancer Res. April 1, 1996; 56(7):1493-7. PMID: [8603391](#).
 67. Polascik TJ; Cairns P; Epstein JI; Fuzesi L; Ro JY; Marshall FF; Sidransky D; Schoenberg M. Distal nephron renal tumors: microsatellite allelotype. Cancer Res. April 15, 1996; 56(8):1892-5. PMID: [8620510](#).
 68. Sidransky D. Two tracks but one race? Cancer genetics. Curr Biol. May 1, 1996; 6(5):523-5. PMID: [8805269](#).
 69. Bedi GC; Westra WH; Gabrielson E; Koch W; Sidransky D. Multiple head and neck tumors: evidence for a common clonal origin. Cancer Res. June 1, 1996; 56(11):2484-7. PMID: [8653681](#).
 70. Califano J; van der Riet P; Westra W; Nawroz H; Clayman G; Piantadosi S; Corio R; Lee D; Greenberg B; Koch W; Sidransky D. Genetic progression model for head and neck cancer: implications for field cancerization. Cancer Res. June 1, 1996; 56(11):2488-92. PMID: [8653682](#).
 71. Schutte M; Hruban RH; Hedrick L; Cho KR; Nadasdy GM; Weinstein CL; Bova GS; Isaacs WB; Cairns P; Nawroz H; Sidransky D; Casero RA Jr; Meltzer PS; Hahn SA; Kern SE. DPC4 gene in various tumor types. Cancer Res. June 1, 1996; 56(11):2527-30. PMID: [8653691](#).
 72. Rosin MP; Miller Sj; Schwab D; Westra WH; Sidransky D. Molecular analysis of effectiveness of Mohs' surgical technique. Lancet. June 15, 1996; 347(9016):1692-3. PMID: [8642979](#).
 73. Reed AL; Califano J; Cairns P; Westra WH; Jones RM; Koch W; Ahrendt S; Eby Y; Sewell D; Nawroz H; Bartek J; Sidransky D. High frequency of p16 (CDKN2/MTS-1/INK4A) inactivation in head and neck squamous cell carcinoma. Cancer Res. August 15, 1996; 56(16):3630-3. PMID: [8705996](#).
 74. Sidransky D. Advances in cancer detection. Sci AM. September 1996; 275(3):104-9. PMID: [8701275](#).
 75. Nawroz H; Koch W; Anker P; Stroun M; Sidransky D. Microsatellite alterations in serum DNA of head and neck cancer patients. Nat Med. September 1996; 2(9):1035-7. PMID:

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76. Sidransky D. Is human patched the gatekeeper of common skin cancers? *Nat Genet.* September 1996; 14(1):7-8. PMID: [8782809](#).
 77. Liggett WH Jr; Sewell DA; Rocco J; Ahrendt SA; Koch W; Sidransky D. p16 and p16 beta are potent growth suppressors of head and neck squamous carcinoma cells in vitro. *Cancer Res.* September 15, 1996; 56(18):4119-23. PMID: [8797577](#).
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 79. Steiner G; Cairns P; Polascik TJ; Marshall FF; Epstein JI; Sidransky D; Schoenberg M. High-density mapping of chromosomal arm 1q in renal collecting duct carcinoma: region of minimal deletion at 1q32.1-32.2. *Cancer Res.* November 1, 1996; 56(21):5044-6. PMID: [8895762](#).
 80. Moskaluk CA; Heitmiller R; Zahurak M; Schwab D; Sidransky D; Hamilton SR. p53 and p21(WAF1/CIP1/SDI1) gene products in Barrett esophagus and adenocarcinoma of the esophagus and esophagogastric junction. *Hum Pathol.* November 1996; 27(11):1211-20. PMID: [8912833](#).
 81. Koch WM; Brennan JA; Zahurak M; Goodman SN; Westra WH; Schwab D; Yoo GH; Lee DJ; Forastiere AA; Sidransky D. p53 mutation and locoregional treatment failure in head and neck squamous cell carcinoma. *J Natl Cancer Inst.* November 6, 1996; 88(21):1580-6. PMID: [8901856](#).
 82. Steiner G; Sidransky D. Molecular differential diagnosis of renal carcinoma: from microscopes to microsatellites. *Am J Pathol.* December 1996; 149(6):1791-5. PMID: [8952515](#).
 83. Califano J; Ahrendt SA; Meininger G; Westra WH; Koch WM; Sidransky D. Detection of telomerase activity in oral rinses from head and neck squamous cell carcinoma patients. *Cancer Res.* December 15, 1996; 56(24):5720-2. PMID: [8971181](#).
 84. Califano JA; Johns MM 3rd; Westra WH; Lango MN; Eisele D; Saji M; Zeiger MA; Udelsman R; Koch WM; Sidransky D. An allelotype of papillary thyroid cancer. *Int J Cancer.* December 20, 1996; 69(6):442-4. PMID: [8980243](#).
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SIDRANSKY, David, M.D.

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