



Bütünleřik Elektronik Bilgi Hizmetleri

Yařar Tonta

H.Ü. Bilgi ve Belge Yönetimi Bölümü

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Portal tanımı

- ➔ Bilgi merkezi (hub)
- ➔ Bilgi kaynaklarına giriş noktası
- ➔ İnternet’te kaynak ve hizmet yoğunluğu
- ➔ Kişisel isteklere ya da spesifik rollere göre kişiselleştirilmiş kaynaklar
- ➔ Farklı kullanıcılara yardım etmek için düzenlenmiş kaynak dermeleri

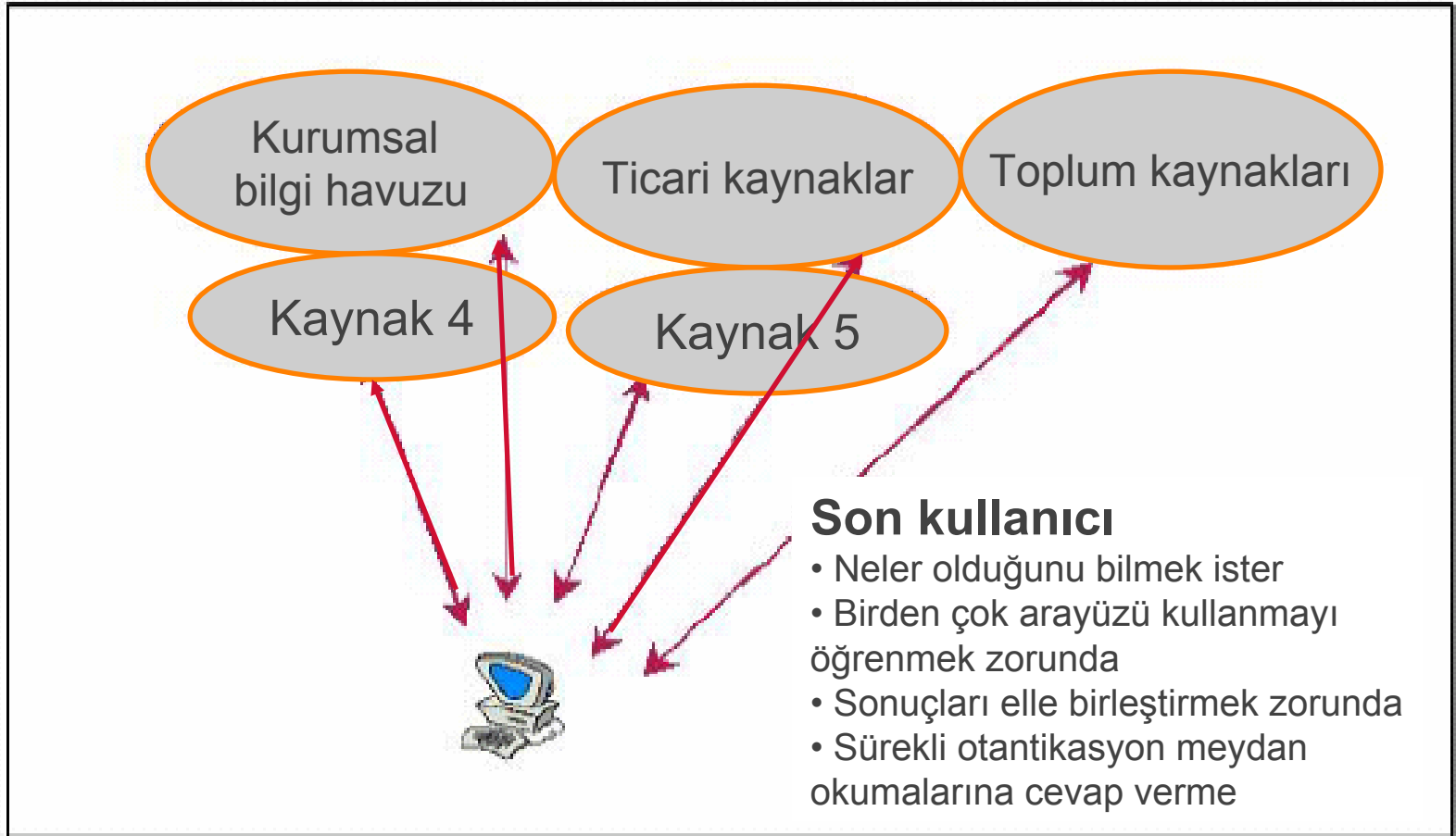


Portal tanımı (devamla)

- ➔ Portal, ağ ortamında kaynakların etkin kullanım ve yönetiminin yerine geçen bir strateji değil, böyle bir stratejinin parçasıdır (Dempsey, 2003)
- ➔ Portal, üst arama hizmeti ve diğer destek hizmetlerini sağlayan bir uygulamadır (ARL)

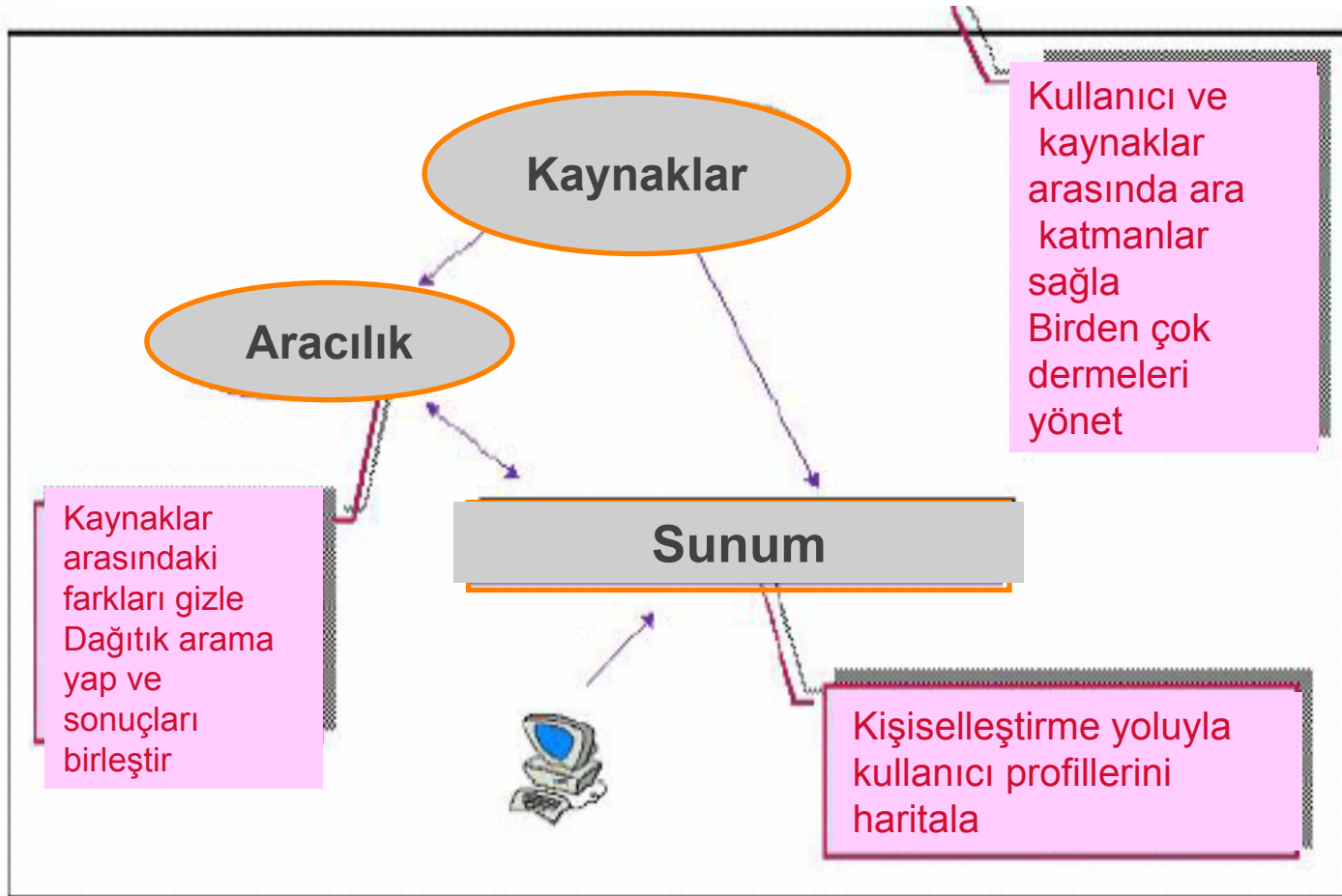


Portal sorunu





Kütüphane portal yaklaşımı



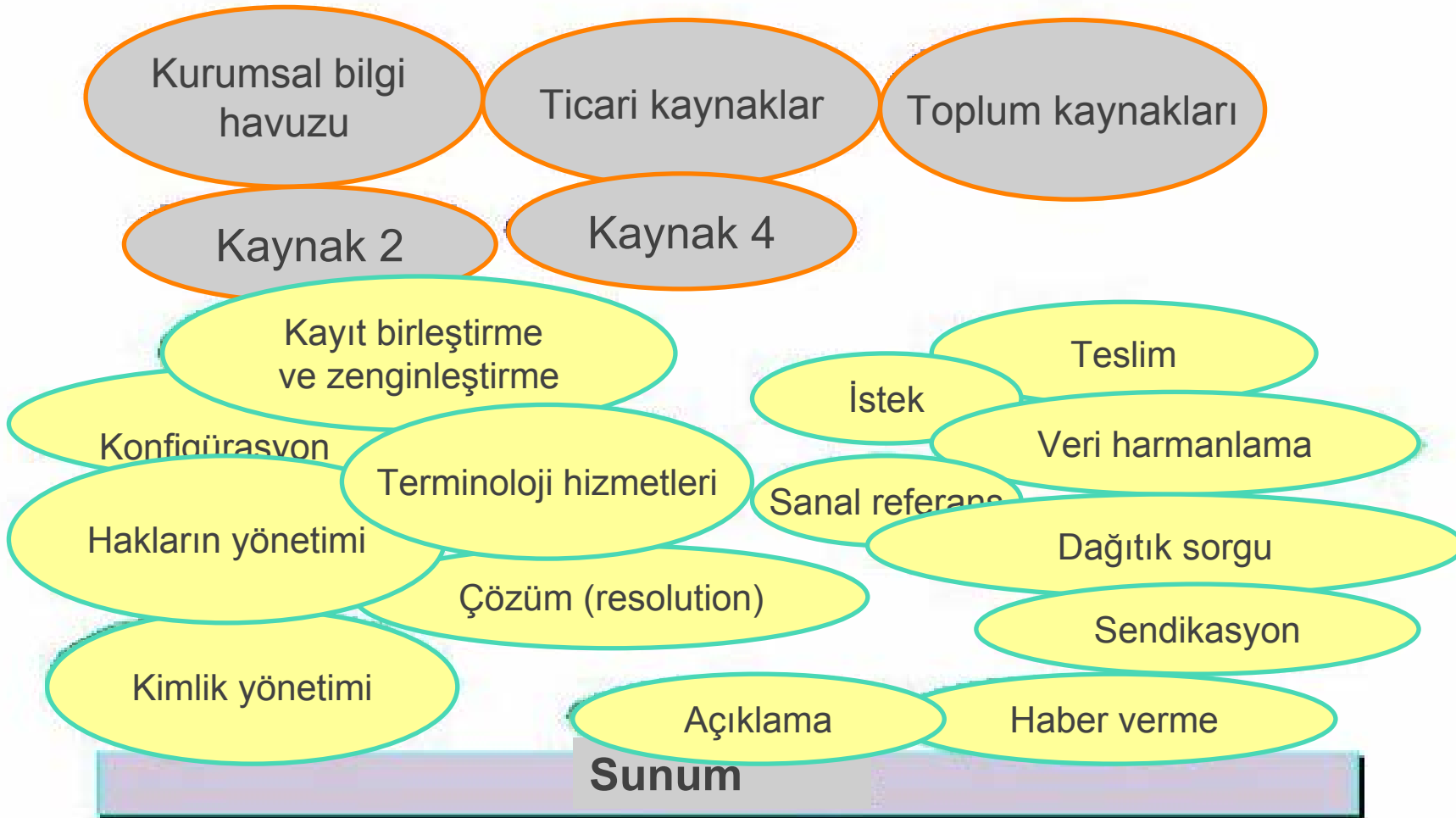


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Sunum		

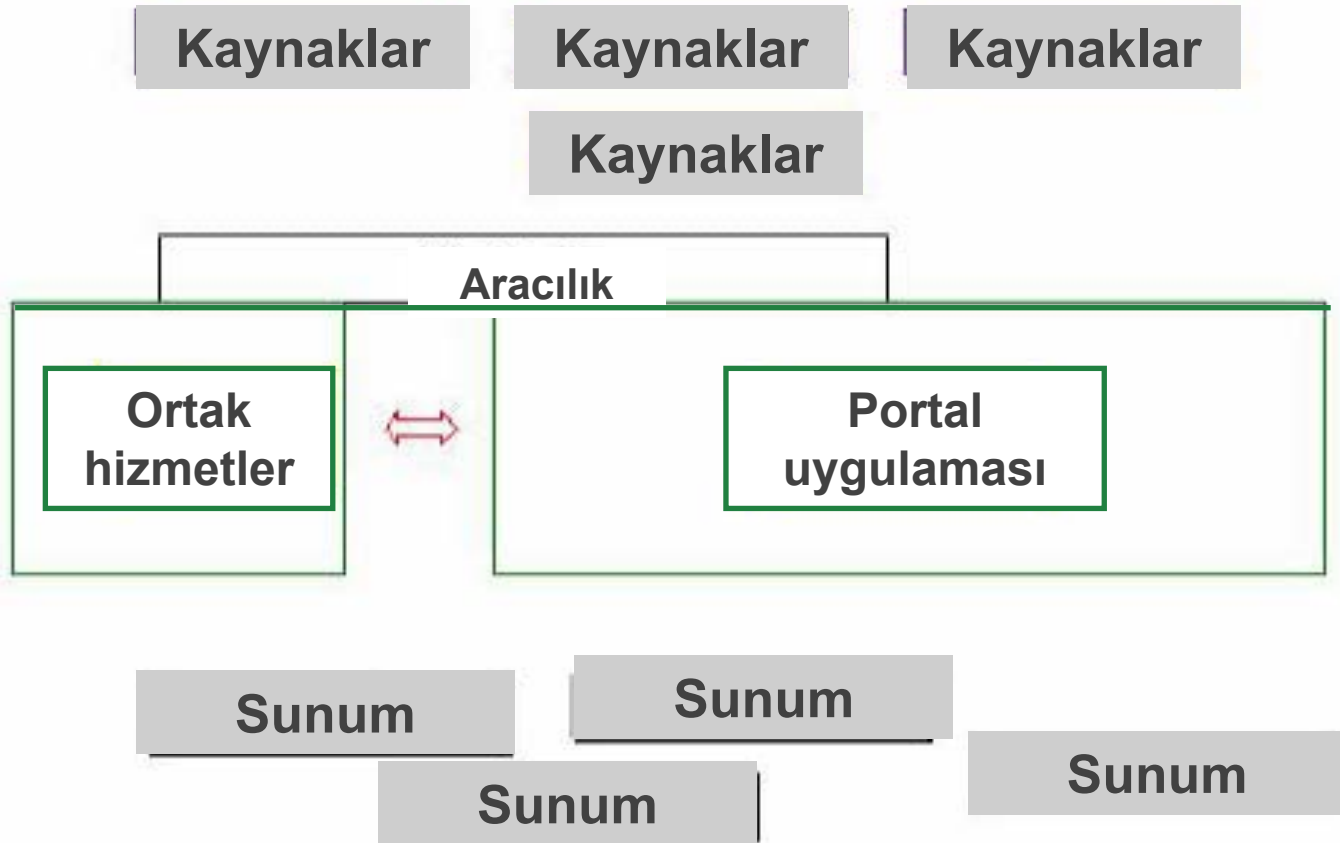


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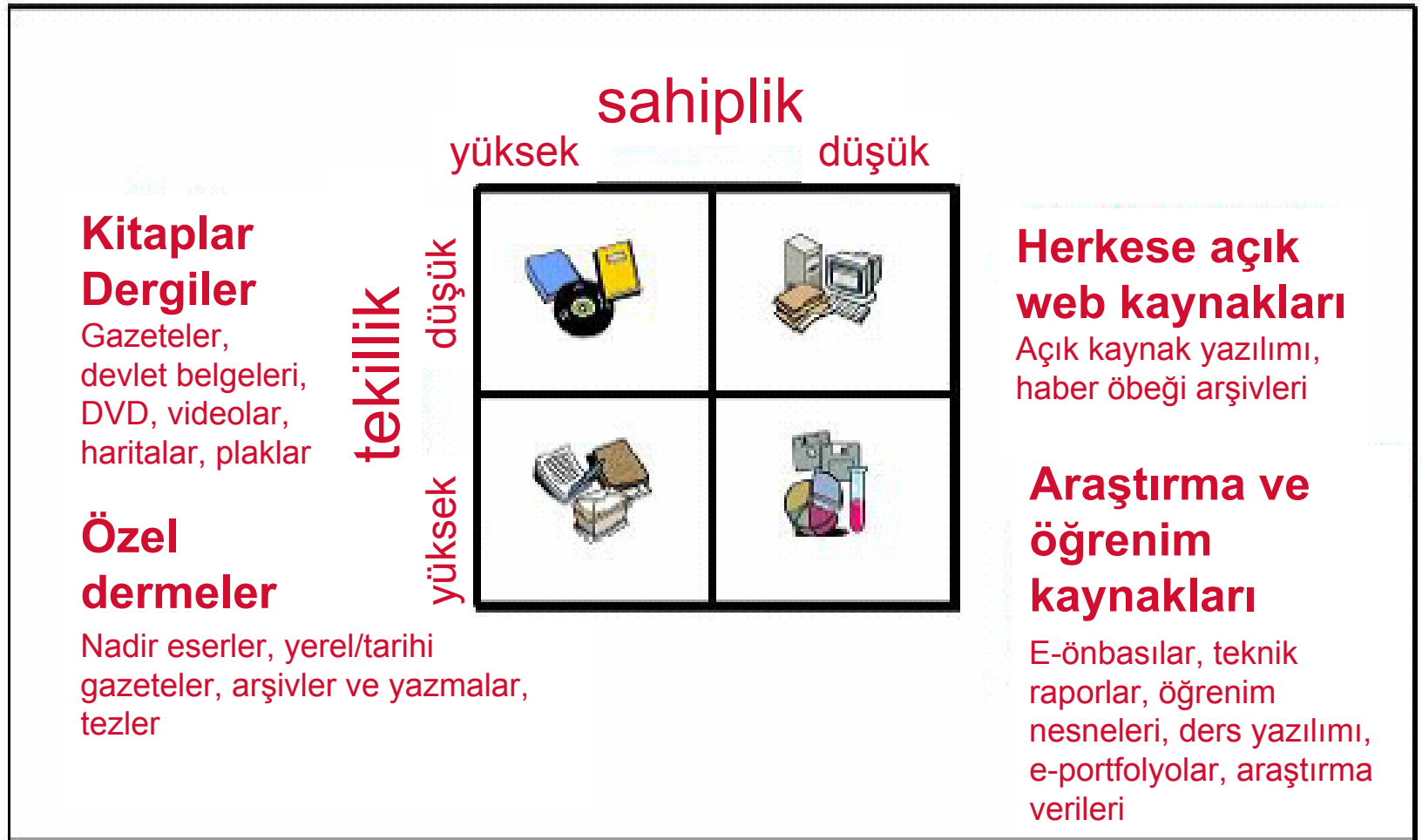


Portal uygulaması





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- full-text repositories;
- abstracting, indexing, and citation databases;
- online library catalogs; and
- citations appearing in research articles, e-print systems, and other Web resources.

SFX permits context-sensitive linking between these web-based resources; whereby the target of a link depends on the digital library collection of the institution to which the user who requested the link is affiliated. No more "dead" links whereby the user clicks on a link to navigate to a new information space but finds that they do not have rights of access to the resource to which they have linked and are therefore blocked from access.

SFX allows the librarian to define the library's electronic collection, including both licensed and freely available resources; and to determine the manner in which the component resources can be linked to best suit the library's users.

Many information providers have already enabled SFX linking for their resources whether these are hosted by the provider themselves or locally by the institution. The number of adopters is growing rapidly. [See a list of these](#). SFX linking uses an emerging protocol for interoperability between information resources and service components that allows for localization in an open linking framework -- the OpenURL. SFX complements existing important linking initiatives such as CrossRef.

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[Ex Libris Announces ARL Customers Pass Half-century Mark: Northwestern University 50th, Vanderbilt University 51st ARL Customers](#), December 11, 2003- Boston

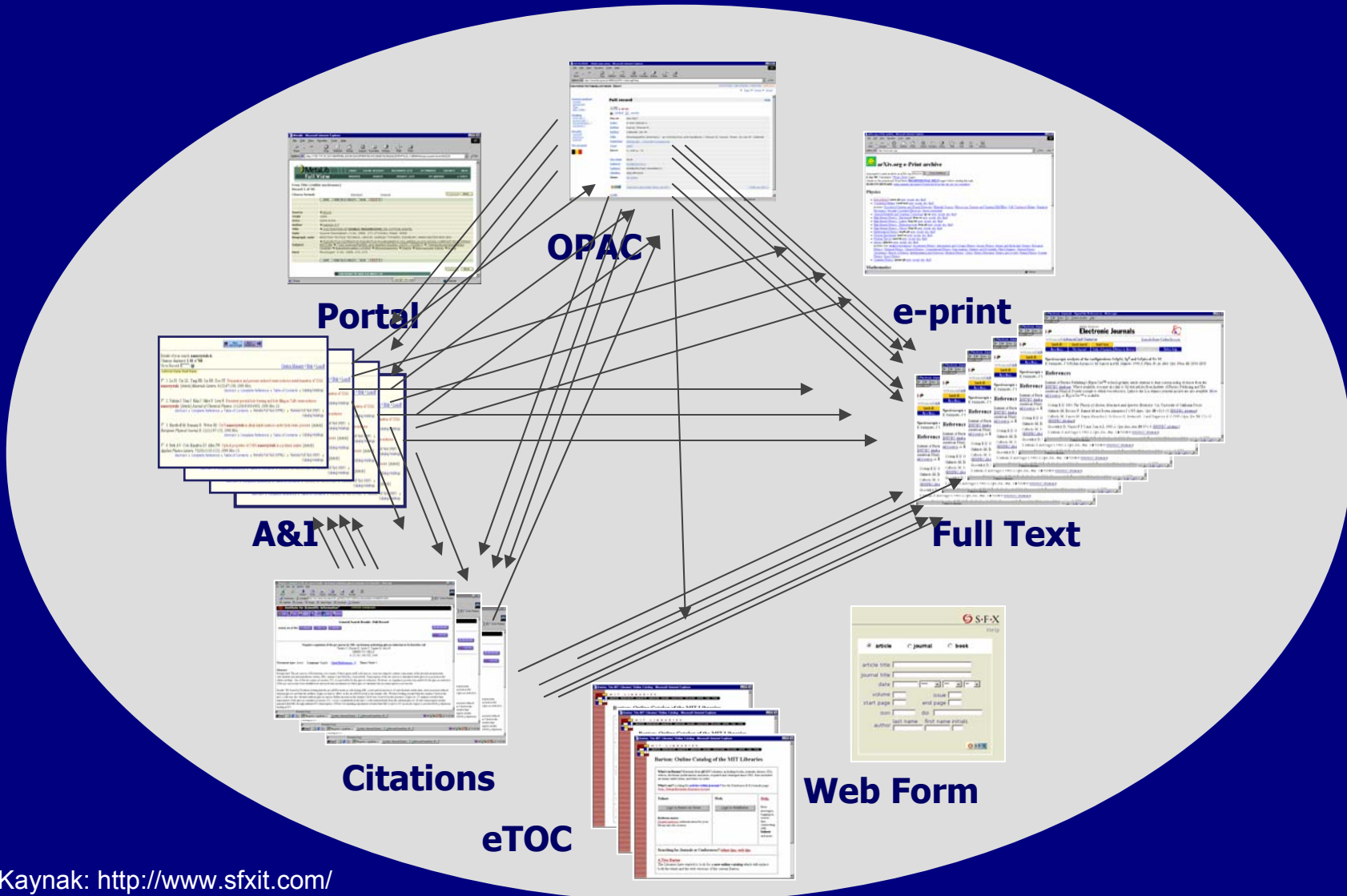
Articles: [Everything You Always Wanted to Know About SFX But Were Afraid to Ask](#), Serials Librarian, v.47, 2004

Presentations: [The Link Resolvers Explained](#): Oren Beit-Arie's, presentation at OpenURL Workshop, 29 October 2003, Washington DC, USA.

Upcoming Events: Visit Ex Libris at: ALA 2004 Midwinter Meeting.



Web !?



Record 1 of 2358 in MEDLINE EXPRESS (R) 1999/01-1999/05

TI Intraventricular concentration times time (C x T) methotrexate and cytarabine
leukemia and lymphoma.

AU [Moser-AM](#); [Adamson-PC](#); [Gillespie-AJ](#); [Poplack-DG](#); [Balis-FM](#)

AD Pediatric Oncology Branch, National Cancer Institute, Bethesda, Maryland 2

SO [Cancer](#). 1999 Jan 15; 85(2): 511-6.

ISSN 0008-543X

PY 1999

LA ENGLISH

CP UNITED-STATES

MIME

[Adolescence-](#); [Adult-](#); [Antimetabolites,-Antineoplastic-administration-and-dosage](#); [Antimetabolites,-Antineoplastic-adverse-effects](#); [Antineoplastic-Agents,-Combined-therapeutic-use](#); [Child,-Preschool](#); [Cytarabine-administration-and-dosage](#); [Cytarabine-adverse-effects](#); [Methotrexate-administration-and-dosage](#); [Methotrexate-adverse-effects](#); [Recurrence](#); [Treatment-Outcome](#)

MLJME

*[Antineoplastic-Agents,-Combined-therapeutic-use](#); *[Burkitt-Lymphoma-drug-therapy](#); *[Leukemia,-Lymphocytic,-Acute-drug-therapy](#); *[Meningeal-Neoplasms-drug-therapy](#)

TG Female; Human; Male

PT JOURNAL-ARTICLE

RN 0; 0; 147-94-4; 59-05-2

NM [Antimetabolites,-Antineoplastic](#); [Antineoplastic-Agents,-Combined](#); [Cytarabine](#); [Methotrexate](#)

AN 1999146328

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R Sarmiento, J G Reyna Almandos, M Raineri and M Gallardo 1999 *J. Phys. B: At. Mol. Opt. Phys.* **32** 2853-2858

Tam metin Wiley InterScience'tan

References

Institute of Physics Publishing's HyperCite™ technology links article citations to [INSPEC database](#). Where available, you may also link to full text articles from [INSPEC Abstracts](#) and The American Physical Society journals to which you subscribe. Links to the Los Alamos preprint archive are also available. [More information](#) on HyperCite™ is available.

Ovid Inspec

Mevcutlar bilgisi kendi katalogunuzdan

Cowan R D 1981 *The Theory of Atomic Structure and Spectra* (Berkeley, CA)

Gallardo M, Bredice F, Raineri M and Reyna Almandos J 1989 *Appl. Opt.* **28** 4515-15 ([INSPEC Abstract](#))

Gallardo M, Raineri M, Reyna Almandos J, Di Rocco H, Bertuccelli D and Trigueiros A G 1995 *Phys. Scr.* **51** 737-51 ([INSPEC Abstract](#))

Goorwitch D, Valero F P J and Clua A L 1969 *J. Opt. Soc. Am.* **59** 971-1 ([INSPEC Abstract](#))

Kaufman V and Sugar J 1987 *J. Opt. Soc. Am. B* **4** 1924-6 ([INSPEC Abstract](#))



WebSPIRS - Netscape

Records: 1 to 10 of 64212
Search: health

(Check for holdings →)

Record 6 of 64212 in MEDLINE (R) Advanced (1996 through 1997) (Order)

TI The tumor suppressor p53 is a negative regulator of estrogen receptor signaling pathways
AU: Yu-CL; Dieguez-P; Barrera-Ermandez-G; Nunez-SP; Scgers-JH; Chong-S
SU: [Biochem-Biophys-Res-Commun](#). 1997 Oct 20; 239(2): 617-20.
FTXT: [Full text from Academic Press](#)

JN [BIOCHEMICAL-AND-BIOPHYSICAL-RESEARCH-COMMUNICATIONS](#);
ISSN: 0006-2913

LA: ENGLISH

AB: The estrogen receptor (ER) is a ligand-dependent transcription factor which regulates growth, development, differentiation and reproduction. To test the hypothesis that the diverse effects of the ER could be mediated by interacting with other transcription factors/cofactors, the present study assessed its interaction with the tumor suppressor p53. p53 is a transcription factor which is involved in cell cycle regulation.

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Negative regulation of the pts operon by Mlc: mechanism underlying glucose induction in Escherichia coli
Tanaka Y, Kimata K, Inada T, Tagami H, Aiba H
GENES TO CELLS
4: (7) 391-399 JUL 1999

Document type: Article Language: English Cited References: 24 Times Cited: 0

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Author(s): [Welsh, Rick](#); [Hubbell, Bryan](#)

Title: **Contract hog production and environmental management in the southern United States.**

Source: *Agronomy Journal* v. 91 no6 (Nov./Dec. 1999) p. 883-8 Journal Code: Agron J
Additional Info: United States

Standard No: ISSN: 0002-1962

Details: bibl il.

Language: English

SUBJECT(S)

Descriptor: [Environmental management -- Southern States](#).
[Swine industry -- Environmental aspects](#).

Record Type: article

Article Type: feature article

Accession No: BBAI0013321

Results of your search: nanocrystals.ti

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HB. Liu BB. Zou GT. Preparation and pressure-induced semiconductor-metal transition of CrSi2
Materials Letters. 41(3):97-100, 1999 Nov.
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la J. Gilliot P. Levy R. Persistent spectral hole-burning and hole-filling in CuBr semiconductor
Journal of Chemical Physics. 111(20):9398-9403, 1999 Nov 22.
[Complete Reference](#) • [Table of Contents](#) • [Remote Full Text \(HTML\)](#) • [Remote Full Text \(PDF\)](#) • [Catalog Holdings](#)

n K. Weber HJ. CuCl nanocrystals in alkali-halide matrices under hydrostatic pressure. [Article]
J. Chem. Phys. 112(1):147-155, 1999 Nov.
[Abstract](#) • [Complete Reference](#) • [Table of Contents](#) • [Catalog Holdings](#)

ilton DJ. Allen JW. Optical properties of CdSe nanocrystals in a polymer matrix. [Article]
J. Chem. Phys. 115(20):3120-3122, 1999 Nov 15.
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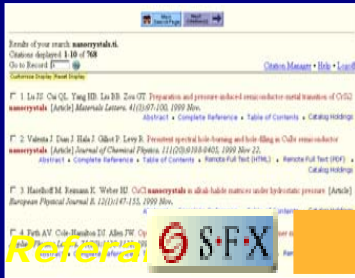


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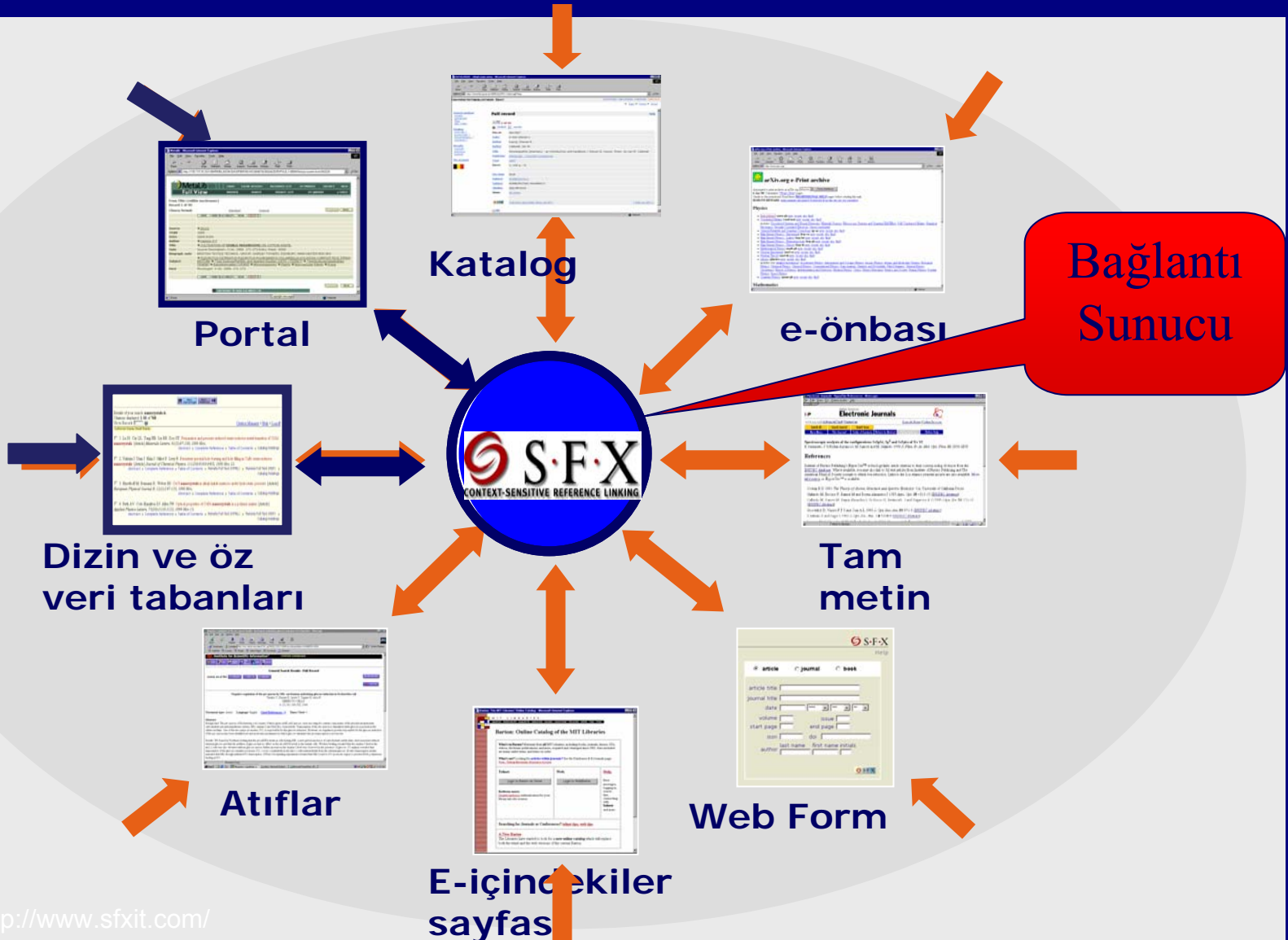
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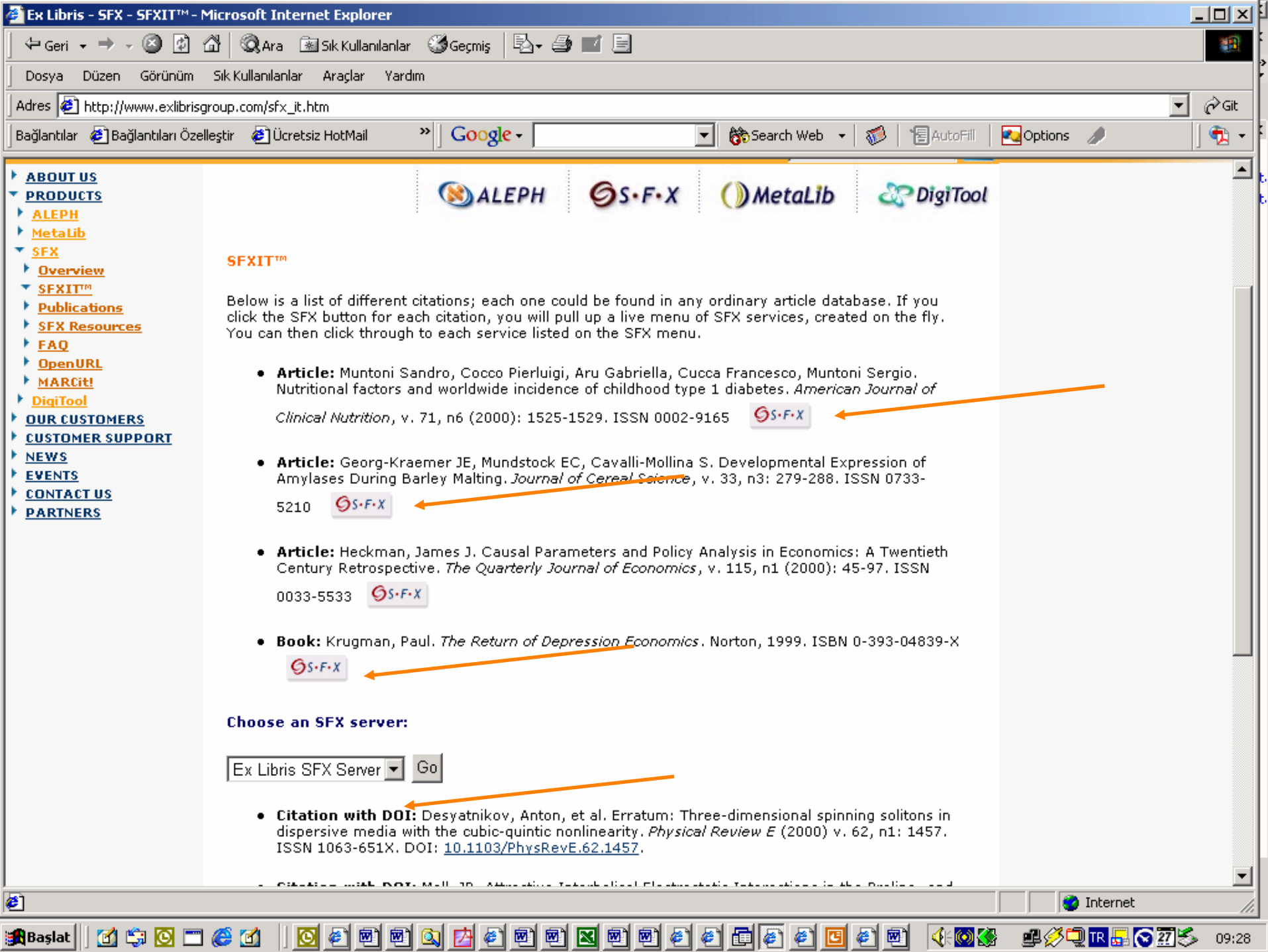
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- **Article:** Georg-Kraemer JE, Mundstock EC, Cavalli-Mollina S. Developmental Expression of Amylases During Barley Malting. *Journal of Cereal Science*, v. 33, n3: 279-288. ISSN 0733-5210 
- **Article:** Heckman, James J. Causal Parameters and Policy Analysis in Economics: A Twentieth Century Retrospective. *The Quarterly Journal of Economics*, v. 115, n1 (2000): 45-97. ISSN 0033-5533 
- **Book:** Krugman, Paul. *The Return of Depression Economics*. Norton, 1999. ISBN 0-393-04839-X 

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Nutritional factors and worldwide incidence of childhood type 1 diabetes^{1,2}

Sandro Muntoni, Pierluigi Cocco, Gabriella Aru, Francesco Cucca and Sergio Muntoni

¹ From the Center for Metabolic Diseases and Atherosclerosis, Ministero dell'Università e della Ricerca Scientifica e Tecnologica, the MEDICO Association, Cagliari, Italy, and the Department of Biomedical Sciences and Biotechnologies and the Institute of Occupational Medicine, University of Cagliari, Cagliari, Italy.

Background: Some dietary factors have been associated with the risk of type 1 diabetes in childhood.

Objective: We investigated relations between dietary energy from major food groups and incidence of childhood type 1 diabetes by using an ecologic study design.

Design: We conducted univariate and multivariate regression analysis with incidence rates of type 1 diabetes in the late 1980s and early 1990s among children aged <15 y in 40 countries as the dependent variable and average per capita daily intake of major food items and other socioeconomic, demographic, and geographic risk factors as the independent variables.

Results: In the univariate regression model, per capita total energy intake was nonsignificantly associated with type 1 diabetes incidence ($r = 0.31$, NS), whereas energy from animal sources was associated ($r = 0.61$, $P < 0.01$) and energy from vegetal sources was inversely associated ($r = -0.35$, $P < 0.05$) with diabetes

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Nutritional factors and worldwide incidence of childhood type 1 diabetes^{1,2}

Sandro Muntoni, Pierluigi Cocco, Gabriella Aru, Francesco Cucca, and Sergio Muntoni

ABSTRACT

Background: Some dietary factors have been associated with the risk of type 1 diabetes in childhood.

Objective: We investigated relations between dietary energy from major food groups and incidence of childhood type 1 diabetes by using an ecologic study design.

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reported in several countries (5, 6). Moreover, an ecologic analysis showed a positive correlation between nitrate concentrations in drinking water and type 1 diabetes risk (7). However, no clear evidence of a relation between the disease and solid food items has emerged from experimental animal or human studies (3, 8). We conducted an ecologic study of average daily amount and type of energy intake in relation to incidence of childhood type 1 diabetes.

SUBJECTS AND METHODS

Incidence rates of childhood (age of onset <15 y) type 1 diabetes in the late 1980s and early 1990s in 40 countries were derived from a published report of the World Health Organization DIAMOND Project Group (9). The countries for which information was available were the following: Algeria, Sudan, and Tanzania (Africa); Canada and the United States (North America); Cuba, Mexico, and Puerto Rico (Central America);

American Journal of Clinical Nutrition, Vol. 71, No. 6, 1525-1529, June 2000
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Original Research Communications

Nutritional factors and worldwide incidence of childhood type 1 diabetes^{1,2}

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¹ From the Center for Metabolic Diseases and Atherosclerosis, Ministero dell'Università e della Ricerca Scientifica e Tecnologica, the MEDICO Association, Cagliari, Italy, and the Department of Biomedical Sciences and Biotechnologies and the Institute of Occupational Medicine, University of Cagliari, Cagliari, Italy.

² Address reprint requests to S Muntoni, Centro per le Malattie Dismetaboliche e l'Arteriosclerosi, Viale Merello 23/29, 09123 Cagliari, Italy. E-mail: smuntoni@unica.it.

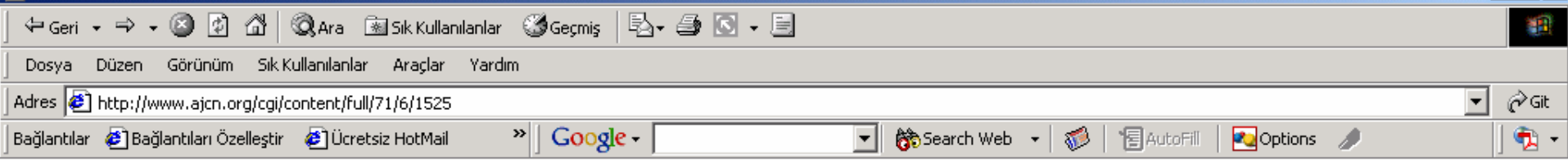
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1. Davies JL, Kawaguchi Y, Bennet ST, et al. A genome-wide search for human type 1 diabetes susceptibility genes. *Nature* 1994;371:130-6. [\[Medline\]](#)
2. Dahlquist G. Environmental risk factors in human type 1 diabetes—an epidemiological perspective. *Diabetes Metab Rev* 1995;11:37-46. [\[Medline\]](#)
3. Dahlquist GG, Blom LG, Persson L-A, Sandstrom AIM, Wall SGI. Dietary factors and the risk of developing insulin dependent diabetes in childhood. *BMJ* 1990;300:1302-6. [\[Medline\]](#)
4. Verge CF, Howard NJ, Irwig L, Simpson JM, Mackerras D, Silink M. Environmental factors in childhood IDDM. *Diabetes Care* 1994; 17:1381-9. [\[Abstract\]](#)
5. Dahl-Jorgensen K, Joner G, Hanssen KF. Relationship between cow's milk consumption and incidence of IDDM in childhood. *Diabetes Care* 1991;14:1081-3. [\[Abstract\]](#)
6. Muntoni S, Loddo S, Stabilini M, Stabilini S, Muntoni S. Cow's milk consumption and IDDM incidence in Sardinia. *Diabetes Care* 1994;17:346-7. [\[Medline\]](#)
7. Parslow RC, McKinney PA, Law GR, Staines A, Williams R, Bodansky HJ. Incidence of childhood diabetes mellitus in Yorkshire, northern England, is associated with nitrate in drinking water: an ecological analysis. *Diabetologia* 1997;40:550-6. [\[Medline\]](#)
8. Kostraba JN. What can epidemiology tell us about the role of infant diet in the etiology of IDDM? *Diabetes Care* 1994;17:87-91. [\[Medline\]](#)
9. Karvonen M, Tuomilehto J, Libman I, LaPorte R, for the World Health Organization DIAMOND Project Group. A review of the recent epidemiological data on the worldwide incidence of type 1 (insulin-dependent) diabetes mellitus. *Diabetologia* 1993;36:883-92. [\[Medline\]](#)
10. Software Toolworks Inc. *WORLD ATLAS for multimedia IBM PC and compatibles. Version 4.* Novato, CA: Software Toolworks Inc, 1993.
11. Food and Agriculture Organization of the United Nations. *Food balance sheets 1988-90.* Rome: FAO, 1996.
12. Food and Agriculture Organization of the United Nations. *Food balance sheets 1979-81.* Rome: FAO, 1984.
13. Rosner B. *Fundamentals of biostatistics.* 2nd ed. Boston: Duxbury Press, 1986.
14. Diabetes Epidemiology Research International Group. Geographic patterns of childhood insulin-dependent diabetes mellitus. *Diabetes* 1988;37:1113-9. [\[Abstract\]](#)
15. Friedman GP. *Primer of epidemiology.* New York: McGraw-Hill, 1987.
16. Morgenstern H. Uses of ecological analysis in epidemiologic research. *Am J Public Health* 1982;72:1336-43. [\[Abstract\]](#)
17. Sasaki S, Kesteloot H. Value of Food and Agriculture Organization data on food-balance sheets as a data source for dietary fat intake in epidemiologic studies. *Am J Clin Nutr* 1992;56:716-23. [\[Abstract\]](#)

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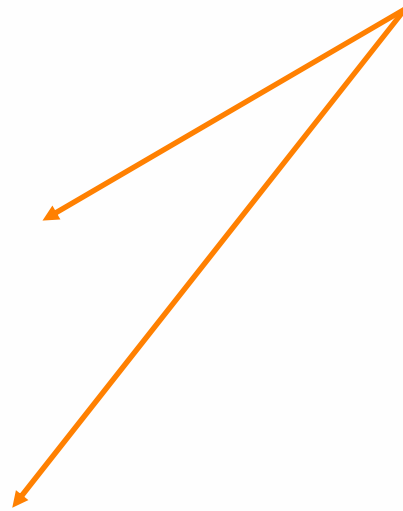
Conclusion: The incidence of type 1 diabetes varied worldwide according to dietary patterns. In-depth exploration of dietary risk factors during pregnancy and early neonatal life is warranted to confirm whether and to what extent diet cooperates with genetic susceptibility in the early onset of type 1 diabetes.

Key Words: Cereals • energy intake • type 1 diabetes • meat • milk • nutrition • children

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REFERENCES

1. Davies JL, Kawaguchi Y, Bennet ST, et al. A genome-wide search for human type 1 diabetes susceptibility genes. *Nature* 1994;371:130–6. [\[Medline\]](#)
2. Dahlquist G. Environmental risk factors in human type 1 diabetes—an epidemiological perspective. *Diabetes Metab Rev* 1995;11:37–46. [\[Medline\]](#)
3. Dahlquist GG, Blom LG, Persson L-A, Sandstrom AIM, Wall SGI. Dietary factors and the risk of developing insulin dependent diabetes in childhood. *BMJ* 1990;300:1302–6. [\[Medline\]](#)
4. Verge CF, Howard NJ, Irwig L, Simpson JM, Mackerras D, Silink M. Environmental factors in childhood IDDM. *Diabetes Care* 1994; 17:1381–9. [\[Abstract\]](#)
5. Dahl-Jorgensen K, Joner G, Hanssen KF. Relationship between cow's milk consumption and incidence of IDDM in childhood. *Diabetes Care* 1991;14:1081–3. [\[Abstract\]](#)
6. Muntoni S, Loddo S, Stabilini M, Stabilini S, Muntoni S. Cow's milk consumption and IDDM incidence in Sardinia. *Diabetes Care* 1994;17:346–7. [\[Medline\]](#)
7. Parslow RC, McKinney PA, Law GR, Staines A, Williams R, Bodansky HJ. Incidence of childhood diabetes mellitus in Yorkshire, northern England, is associated with nitrate in drinking water: an ecological analysis. *Diabetologia* 1997;40:550–6. [\[Medline\]](#)
8. Kostraba JN. What can epidemiology tell us about the role of infant diet in the etiology of IDDM? *Diabetes Care* 1994;17:87–91. [\[Medline\]](#)
9. Karvonen M, Tuomilehto J, Libman I, LaPorte R, for the World Health Organization DIAMOND Project Group. A review of the recent epidemiological data on the worldwide incidence of type 1 (insulin-dependent) diabetes mellitus. *Diabetologia* 1993;36:883–92. [\[Medline\]](#)
10. Software Toolworks Inc. WORLD ATLAS for multimedia IBM PC and compatibles. Version 4. Novalto, CA: Software Toolworks Inc, 1993.
11. Food and Agriculture Organization of the United Nations. Food balance sheets 1988–90. Rome: FAO, 1996.
12. Food and Agriculture Organization of the United Nations. Food balance sheets 1979–81. Rome: FAO, 1984.
13. Rosner B. Fundamentals of biostatistics. 2nd ed. Boston: Duxbury Press, 1986.
14. Diabetes Epidemiology Research International Group. Geographic patterns of childhood insulin-dependent diabetes mellitus. *Diabetes* 1988;37:1113–9. [\[Abstract\]](#)
15. Friedman GP. Primer of epidemiology. New York: McGraw-Hill, 1987.
16. Morgenstern H. Uses of ecological analysis in epidemiologic research. *Am J Public Health* 1982;72:1336–43. [\[Abstract\]](#)
17. Sasaki S, Kesteloot H. Value of Food and Agriculture Organization data on food-balance sheets as a data source for dietary fat intake in epidemiologic studies. *Am J Clin Nutr* 1992;56:716–23. [\[Abstract\]](#)

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Environmental factors in childhood IDDM. A population-based, case-control study

CF Verge, NJ Howard, L Irwig, JM Simpson, D Mackerras and M Silink

Ray Williams Institute for Pediatric Endocrinology, Royal Alexandra Hospital for Children, Sydney, Australia.

OBJECTIVE--To identify environmental factors involved in the etiology of insulin-dependent diabetes mellitus (IDDM). **RESEARCH DESIGN AND METHODS--**An estimated 90% of all incident cases of IDDM in patients 0-14 years of age in New South Wales, Australia, were ascertained over 18 months. For each IDDM patient, two age- and sex-matched control subjects were randomly selected from the population. Past environmental exposures were determined with a questionnaire completed by the parents. Response rates were 92% for the IDDM patients (217 of 235) and 55% for the control subjects (258 of 470). The relative risk associated with each exposure was estimated with the odds ratio (OR) adjusted for confounding factors using multiple logistic regression. **RESULTS--**The introduction of cow's milk-based infant formula into the diet before 3 months of age was associated with an increased risk (OR 1.52, 95% confidence interval [CI] 1.04-2.24). Exclusive breast-feeding for $> \text{ or } = 3$ months was associated with a protective effect (OR 0.66, 95% CI 0.45-0.97). High dietary intake of cow's milk protein in the 12 months before the onset of diabetic symptoms was also associated with an increased risk (OR 1.84, 95% CI 1.12-3.00). A recent infection (during the 3 months before onset of diabetic symptoms) was more common in the patients than the control subjects (OR 2.92, 95% CI 1.96-4.35), as was day care attendance before the age of 3 (OR 1.73, 95% CI 1.00-3.00). When two age-groups, defined by the median age at onset of diabetes, were compared, the associations with early infant-feeding were stronger among the younger group (< 9.2 years) and associations with recent diet and recent infection were stronger

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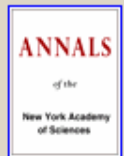
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O. VAARALA

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S. Winer, I. Astsaturov, R. Gaedigk, D. Hammond-McKibben, M. Pilon, A. Song, V. Kubiak, W. Karges, E. Arpaia, C. Mckerlie, P. Zucker, B. Singh, and H.-M. Dosch

ICA69null Nonobese Diabetic Mice Develop Diabetes, but Resist Disease Acceleration by Cyclophosphamide

J. Immunol., January 1, 2002; 168(1): 475 - 482.

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B. Kaila and S. P. Taback

The Effect of Day Care Exposure on the Risk of Developing Type 1 Diabetes: A meta-analysis of case-control studies

Diabetes Care, August 1, 2001; 24(8): 1353 - 1358.

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