



EAHIL 2016



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del Sistema Sanitario Público de Andalucía

Knowledge, Research, Innovation ...



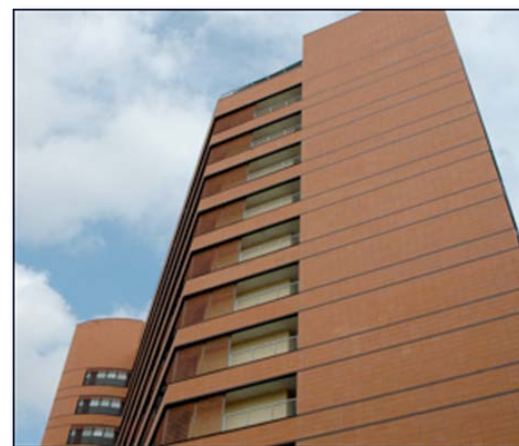
15th EAHIL 2016 Conference 11-13 june, Seville, Spain

Title: **The Impact of Altmetrics on library for biomedical research**

Authors: **Valeria SCOTTI**, Funda TOPUZ, Chiara REBUFFI, Paola ABELE, Moreno CURTI

Institution: Fondazione IRCCS Policlinico San Matteo of Pavia -Italy

- ❑ San Matteo Hospital is an Italian public research institute of national prominence.
- ❑ Our library is *the only* 'hospital library' and is the reference point for all physicians, researchers and nurse staff looking for a literature research.



- The problem of measuring the scientific and social impact of research publications has been of extreme interest to scientists and scholars since the inception of modern science, but it has always been hard to answer..



Bibliometrics

- **Bibliometrics** is the application of quantitative analysis and statistics to publications such as journal articles and their accompanying citation counts.
- The main tool of bibliometrics is citation analysis:
 - ✓ Applies to journals (**impact factor**)
 - ✓ individuals (**h-index**)
 - ✓ and articles (**citation impact**)

- The main scientific communication is conditioned by web-based tools, particularly by e-only journals.
- The development of tools even more Web 2.0 oriented has profoundly changed the scientific communication process



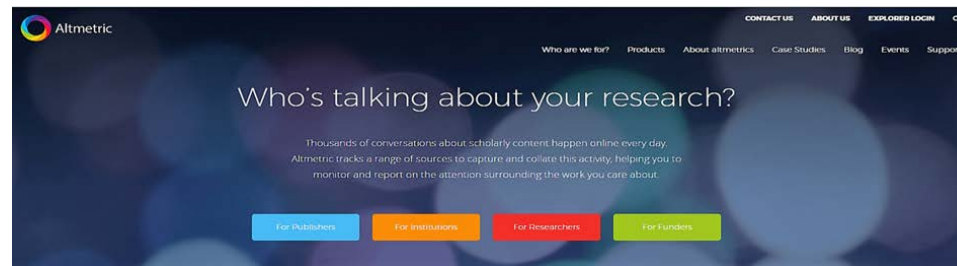
http://en.wikipedia.org/wiki/File:Web_2.0_Map.svg

- *New tools emerge*

In this context, many web tools are often referred as 'social media' due to their role in supporting communication and building communities



- Altmetric (<http://www.altmetric.com>) born as a London-based start-up founded by Euan Adie in 2011.



- The portal provides these main products:
 - Explorer
 - Explorer for institution
 - Bookmarklet
 - Badge
- Individual users and librarians can use Altmetric.com with a free bookmarklet, while a commercial license is required in the case of publishers, funders and institutions





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IRCCS Fondazione Policlinico San Matteo

Italian Ministry of Health
High Complexity Medicine and Translational Research

Overview Fingerprint

Fingerprint

The fingerprint is based on the terms is created, which

Therapeutics
MEDICINE & LIFE SCIENCES

Prospective Studies
MEDICINE & LIFE SCIENCES

Small Amounts of Gluten in Subjects With Suspected Nonceliac Gluten Sensitivity: A Randomized, Double-Blind, Placebo-Controlled, Cross-Over Trial

Antonio Di Sabatino ; Umberto Volta ; Chiara Salvatore ; Paolo Biancheri ; Giacomo Caio ; Roberto Stefano ; Gino R. Corazza

IRCCS Fondazione Policlinico San Matteo

14
Citations

947

Picked up by 10 news outlets
Blogged by 5
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66 readers on Mendeley

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Abstract

There is debate over the existence of nonceliac gluten sensitivity (NCGS) intestinal and extraintestinal symptoms in response to ingestion of gluten-containing foods by people without celiac disease or wheat allergy. We performed a randomized, double-blind, placebo-controlled, cross-over trial to determine the effects of administration of low doses of gluten to subjects with suspected NCGS. Methods: We enrolled 61 adults without celiac disease or a wheat allergy who believed ingestion of gluten-containing food to be the cause of their intestinal and extraintestinal symptoms. Participants were assigned randomly to groups given either 4.375 g/day gluten or rice starch (placebo) for 1 week, each via gastrosoluble capsules. After a 1-week gluten-free diet, participants crossed over to the other group. The primary outcome was the change in overall (intestinal and extraintestinal) symptoms, determined by established scoring systems, between gluten and placebo intake. A secondary outcome was the change in individual symptom scores between gluten vs placebo. Results: According to the per-protocol analysis of data from the 59 patients who completed the trial, intake of gluten significantly increased overall symptoms compared with placebo (P = .034). Abdominal bloating (P = .040) and pain (P = .047), among the intestinal symptoms, and foggy mind (P = .019), depression (P = .020), and aphthous stomatitis (P = .025), among the extraintestinal symptoms, were significantly more severe when subjects received gluten than placebo. Conclusions: In a cross-over trial, subjects with

Access to Document

10.1016/j.cgh.2015.01.029

Link to publication in Scopus



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eHealth



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Altmetric Donut

- The **color** and the **number** inside the donut **changes** for on each papers.



- The **colors reflect** the mix of sources on which the article was cited. For example, **blue** means it has been **tweeted**.

Small Amounts of Gluten in Subjects with Suspected Nonceliac Gluten Sensitivity: a Randomized, Double-Blind, Placebo-Controlled, Cross-Over Trial.

Overview of attention for article published in Clinical Gastroenterology and Hepatology, February 2015



About this score

In the top 5% of all research outputs scored by Altmetric

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- 10 news outlets
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SUMMARY

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Title Small Amounts of Gluten in Subjects with Suspected Nonceliac Gluten Sensitivity: a Randomized, Double-Blind, Placebo-Controlled, Cross-Over Trial.

Published in Clinical Gastroenterology and Hepatology, February 2015

DOI 10.1016/j.cgh.2015.01.029

Pubmed ID 25701700

Authors Antonio Di Sabatino, Umberto Volta, Chiara Salvatore, Paolo Biancheri, Giacomo Caio, Roberto De... [show]

Abstract There is debate over the existence of nonceliac gluten sensitivity (NCGS) -intestinal and extra-inte... [show]

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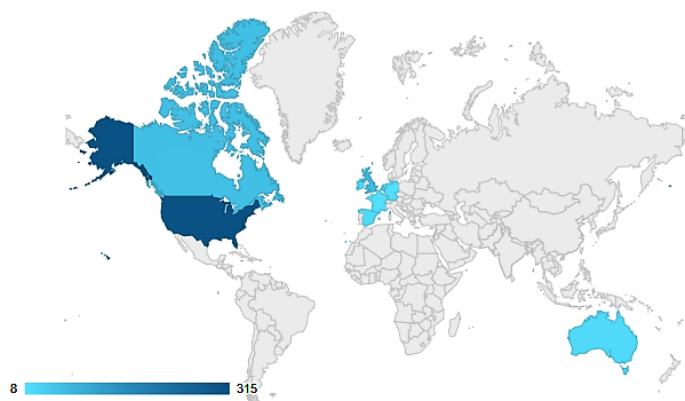
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Country	Count	As %
United States	315	34%
Canada	66	7%
United Kingdom	65	7%
Netherlands	21	2%
Australia	19	2%
Spain	17	2%
Ireland	10	1%
Germany	10	1%
France	8	1%
Other	64	7%
Unknown	319	35%

Demographic breakdown

Type	Count	As %
Members of the public	691	76%
Practitioners (doctors, other healthcare professionals)	135	15%
Scientists	56	6%

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86 authors 17,900 items 11,750 mentioned

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Articles 2014 664 articles 308 mentioned Edit Delete

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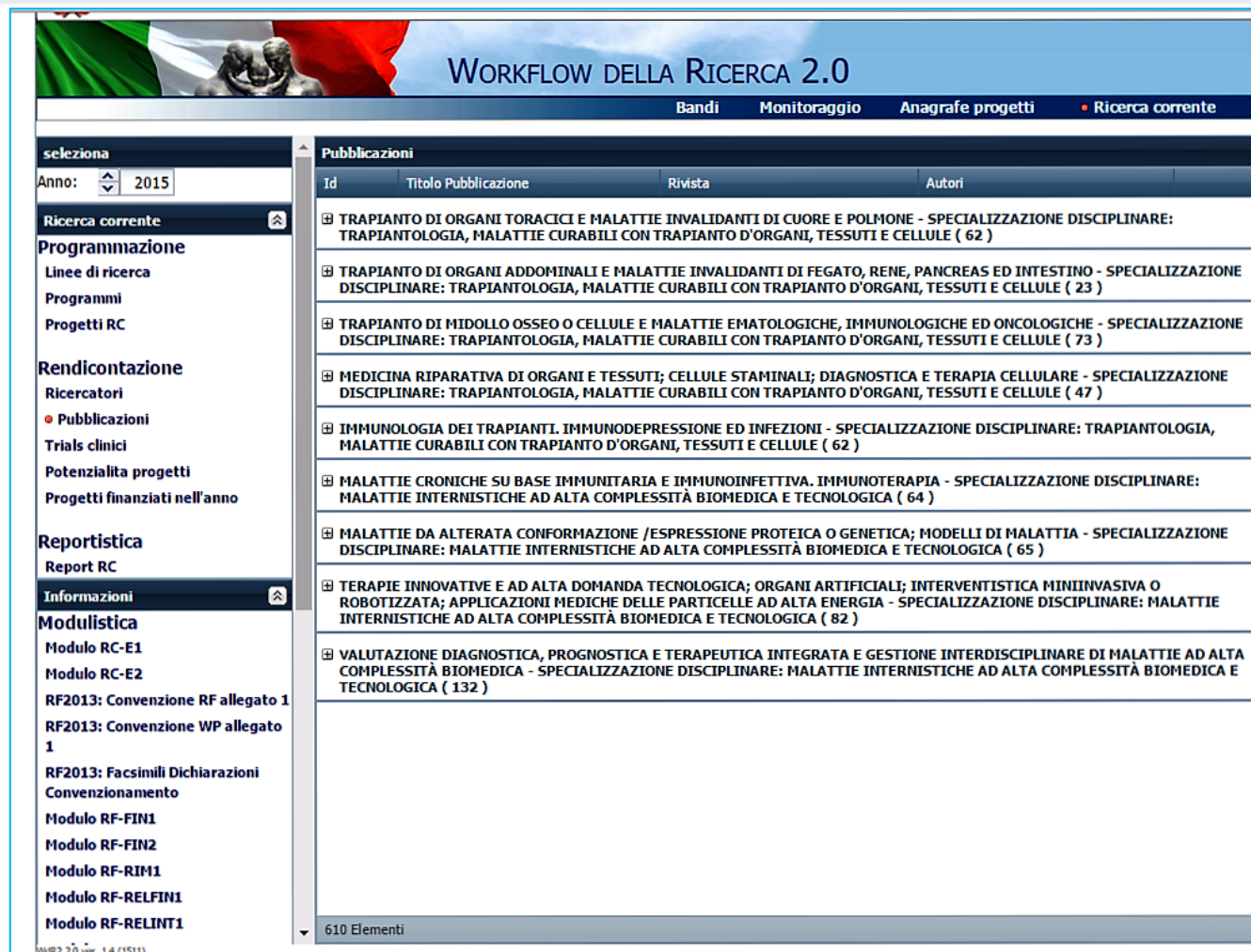
Fondazione IRCCS Policlinico San Matteo 640 articles 285 mentioned Edit Delete

San Matteo Hospital

Top articles by mentions in all sources

Rank	Mentions	Score	Title	Journal
1st	299	257	Prophylactic Use of a Probiotic in the Prevention of Colic, Regurgitation, and Functional Constipation: A Randomized Clinical Trial	JAMA Pediatrics

Central database at
the Ministry of
Health call
WORKFLOW 2.0



The screenshot shows the 'Workflow della Ricerca 2.0' web application. The interface is divided into a left sidebar with navigation menus and a main content area displaying a list of publications.

Navigation Menu (Left Sidebar):


- selezione**
 - Anno: 2015
 - Ricerca corrente**
 - Programmazione
 - Linee di ricerca
 - Programmi
 - Progetti RC
 - Rendicontazione
 - Ricercatori
 - Pubblicazioni**
 - Trials clinici
 - Potenzialità progetti
 - Progetti finanziati nell'anno
 - Reportistica
 - Report RC
 - Informazioni**
 - Modulistica**
 - Modulo RC-E1
 - Modulo RC-E2
 - RF2013: Convenzione RF allegato 1
 - RF2013: Convenzione WP allegato 1
 - RF2013: Facsimili Dichiarazioni Convenzionamento
 - Modulo RF-FIN1
 - Modulo RF-FIN2
 - Modulo RF-RIN1
 - Modulo RF-RELFIN1
 - Modulo RF-RELINT1

Main Content Area (Pubblicazioni):

Id	Titolo Pubblicazione	Rivista	Autori
4	TRAPIANTO DI ORGANI TORACICI E MALATTIE INVALIDANTI DI CUORE E POLMONE - SPECIALIZZAZIONE DISCIPLINARE: TRAPIANTOLOGIA, MALATTIE CURABILI CON TRAPIANTO D'ORGANI, TESSUTI E CELLULE (62)		
4	TRAPIANTO DI ORGANI ADDOMINALI E MALATTIE INVALIDANTI DI FEGATO, RENE, PANCREAS ED INTESTINO - SPECIALIZZAZIONE DISCIPLINARE: TRAPIANTOLOGIA, MALATTIE CURABILI CON TRAPIANTO D'ORGANI, TESSUTI E CELLULE (23)		
4	TRAPIANTO DI MIDOLLO OSSEO O CELLULE E MALATTIE EMATOLOGICHE, IMMUNOLOGICHE ED ONCOLOGICHE - SPECIALIZZAZIONE DISCIPLINARE: TRAPIANTOLOGIA, MALATTIE CURABILI CON TRAPIANTO D'ORGANI, TESSUTI E CELLULE (73)		
4	MEDICINA RIPARATIVA DI ORGANI E TESSUTI; CELLULE STAMINALI; DIAGNOSTICA E TERAPIA CELLULARE - SPECIALIZZAZIONE DISCIPLINARE: TRAPIANTOLOGIA, MALATTIE CURABILI CON TRAPIANTO D'ORGANI, TESSUTI E CELLULE (47)		
4	IMMUNOLOGIA DEI TRAPIANTI. IMMUNODEPRESSIONE ED INFEZIONI - SPECIALIZZAZIONE DISCIPLINARE: TRAPIANTOLOGIA, MALATTIE CURABILI CON TRAPIANTO D'ORGANI, TESSUTI E CELLULE (62)		
4	MALATTIE CRONICHE SU BASE IMMUNITARIA E IMMUNOINFETTIVA. IMMUNOTERAPIA - SPECIALIZZAZIONE DISCIPLINARE: MALATTIE INTERNISTICHE AD ALTA COMPLESSITÀ BIOMEDICA E TECNOLOGICA (64)		
4	MALATTIE DA ALTERATA CONFORMAZIONE /ESPRESSIONE PROTEICA O GENETICA; MODELLI DI MALATTIA - SPECIALIZZAZIONE DISCIPLINARE: MALATTIE INTERNISTICHE AD ALTA COMPLESSITÀ BIOMEDICA E TECNOLOGICA (65)		
4	TERAPIE INNOVATIVE E AD ALTA DOMANDA TECNOLOGICA; ORGANI ARTIFICIALI; INTERVENTISTICA MINIIINVASIVA O ROBOTIZZATA; APPLICAZIONI MEDICHE DELLE PARTICELLE AD ALTA ENERGIA - SPECIALIZZAZIONE DISCIPLINARE: MALATTIE INTERNISTICHE AD ALTA COMPLESSITÀ BIOMEDICA E TECNOLOGICA (82)		
4	VALUTAZIONE DIAGNOSTICA, PROGNOSTICA E TERAPEUTICA INTEGRATA E GESTIONE INTERDISCIPLINARE DI MALATTIE AD ALTA COMPLESSITÀ BIOMEDICA - SPECIALIZZAZIONE DISCIPLINARE: MALATTIE INTERNISTICHE AD ALTA COMPLESSITÀ BIOMEDICA E TECNOLOGICA (132)		

610 Elementi

Article Record



WORKFLOW DELLA RICERCA 2.0

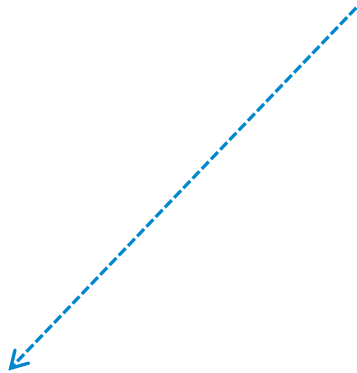
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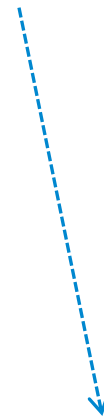
Pubblicazione 3072654

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Rivista: JACC-Cardiovascular Imaging
ISSN: 1936878X
Titolo breve: JACC-CARDIOVASC IMAG
Vol. 8 Issue 5 Pag.576-578
Titolo: Clinical imaging of ACS with ruptured or intact fibrous caps
Anno pubblicazione:2015
Cod DOI: 10.1016/j.jcmg.2015.03.004
PMID: 25937195
Autori: ARBUSTINI ELOISA, Narula, N., KODAMA TAKAHIDE
Autori ordinati alfabeticamente: NO
Autori in penultima posizione come corrispondente: NO
Ricaduta assistenziale SI
Allegato
Doc. Supporto coerenza
Impact Factor: 8
Tipo di pubblicazione: Articolo o review
Doppia affiliazione: NO
Note Doppia affiliazione:
Indice di confronto:0.1
Link Scopus: <http://www.scopus.com/inward/record.url?partnerID=65&eid=2-s2.0-84929994600>
Link fulltext url: <http://dx.doi.org/10.1016/j.jcmg.2015.03.004>

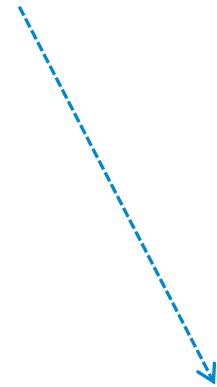
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TITOLO Bone marrow immunophenotyping by flow cytometry in refractory cytopenia of childhood

RELEVANCE SCORE
<File manca>

in scivai (da mandare al ministero?)
☐ si già in scivai ☐ da integrare si ☐ si è in scivai
☐ no già in scivai ☐ da integrare no ☐ no è in scivai

FOONTE Haematologica. 2015 Mar;100(3):315-323

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1 50 UNITA' OPERATIVA DI ONCOEMATOLOGIA PEDIATRICA

2

note

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impact factor 5.814

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da mandare a roma volume 100 da pag 315 new IF da pag a pag 315-323

fascicolo 3 a pag 323

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3 - TRAPIANTO DI MIDOLLO OSSEO O CELLULE STAMNALI E MALATTIE EMATOLOGICHE, IMMUNOLOGICHE ED ONCOLOGICHE - TRAPIANTO DI MIDOLLO OSSEO O CELLULE STAMNALI E MALATTIE EMATOLOGICHE, IMMUNOLOGICHE ED ONCOLOGICHE -

autori uniti Aalbers AM, van den Heuvel-Elbrink MM, Baumann I, Dworak M, Hasle H, Locatelli F, De Moorloose B, Schmutz M, Meistrkova E, Novakova M, Zecca M, Zwaan C M, Te Marvelde J G, Langerak A W, van Dongen J J, Pieters R, Niemeyer C M, van der Velden V H

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PMID 25425063

doi 10.3324/haematol.2014.107706

codice smattei roma 030.4

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was accession number 000351279900020

indirizzi Department of Immunology, Erasmus MC, Erasmus University Medical Center, Rotterdam, The Netherlands Department of Pediatric Oncology/Hematology, Sophia Children's Hospital - Erasmus University Medical Center, Rotterdam, The Netherlands; Department of Pediatric Oncology/Hematology, Sophia Children's Hospital - Erasmus

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688 DI SABATINO A, CORAZZA G R:
SOME CLARIFICATION IS NECESSARY ON THE OSLO DEFINITIONS FOR COELIAC DISEASE-RELATED
TERMS.
GUT. 2013 JAN;62(1):182

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wos accession number
000312214000023

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10.1136/gutjnl-2012-302613

note wos

4661 DUENNWALD T, GATTERER H, GROOP PH, BURTSCHER M, BERNARDI L:
EFFECTS OF A SINGLE BOUT OF INTERVAL HYPOXIA ON CARDIORESPIRATORY CONTROL AND
BLOOD GLUCOSE IN PATIENTS WITH TYPE 2 DIABETES.
DIABETES CARE. 2013 AUG;36(8):2188-9

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10.2337/dc12-2113

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	A	B	C	D	E	F
	titolo lavoro	eid	fonte	anno	autori	eid completo
2	Somatic mutations of calre	84890372480	New England Journal of Me	2013	Thorsten Klampff; Heinz Gis	2-s2.0-84890372480
3	The Oslo definitions for coe	84871135111	Gut., 2013;62(1):43-52.	2013	Jonas F. Ludvigsson; Daniel	2-s2.0-84871135111
4	Retinoic acid and arsenic t	84880287051	New England Journal of Me	2013	F. Lo-Coco; G. Avvisati; M. V	2-s2.0-84880287051
5	Effect of platelet inhibition	84875779761	New England Journal of Me	2013	Deepak L. Bhatt; Gregg W. Si	2-s2.0-84875779761
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7	EFUMB guidelines and rec	84876116484	Ultraschall in der Medizin.	2013	J. Bamber; D. Cosgrove; C.F.	2-s2.0-84876116484
8	Tivantinib for second-line t	84871721240	The Lancet Oncology., 2013	2013	Armando Santoro; Lorenza	2-s2.0-84871721240
9	HRS/EHRA/APHRS Expert Co	84889856570	Heart Rhythm., 2013;10(12)	2013	Silvia G. Priori; Arthur A. W	2-s2.0-84889856570
10	Clinical and biological imp	84888219405	Blood., 2013;122(22):3616-	2013	Elli Papaemmanuil; Moritz	2-s2.0-84888219405
11	EFUMB Guidelines and Rec	84878241671	Ultraschall in der Medizin.	2013	D. Cosgrove; F. Piscaglia; J.	2-s2.0-84878241671
12	Pretreatment with prasugre	84883710340	New England Journal of Me	2013	Gilles Montalescot; Leonar	2-s2.0-84883710340
13	Mutations and prognosis in	84883742034	Leukemia., 2013;27(9):1861	2013	A.M. Vannucchi; T.L. Lasho;	2-s2.0-84883742034
14	Cardiovascular events and	84871746842	New England Journal of Me	2013	Roberto Marchioli; Guido F	2-s2.0-84871746842
15	Current state of knowledge	84883746417	European Heart Journal., 20	2013	Alida L. P. Caforio; Sabine P	2-s2.0-84883746417
16	Three-year efficacy, safety,	84891303523	Blood., 2013;122(25):4047-	2013	Francisco Cervantes; Aless	2-s2.0-84891303523
17	Diagnosis and treatment of	84888240132	Blood., 2013;122(17):2943-	2013	Luca Malcovati; Eva Hellstr	2-s2.0-84888240132
18	Effect of long-detection inte	84877289895	JAMA - Journal of the Ameri	2013	Maurizio Gasparini; Alessa	2-s2.0-84877289895
19	Common variants at SCN5A	84883461171	Nature Genetics., 2013;45(5	2013	Connie R. Bezzina; Julien Ba	2-s2.0-84883461171
20	MYD88 L265P in Waldenstr	84877343691	Blood., 2013;121(11):2051-	2013	Lian Xu; Zachary R Hunter;	2-s2.0-84877343691
21	Meta-analysis of impact of	84875850647	American Journal of Cardio	2013	Elfano Pio Navarese; Anton	2-s2.0-84875850647
22	Repurposing diflunisal for	84890954073	JAMA - Journal of the Ameri	2013	John L. Berk; Ole B. Suhr; La	2-s2.0-84890954073
23	Pulmonary hypertension du	84890771619	Journal of the American Col	2013	Jean-Luc Vachiv©ry; Yocha	2-s2.0-84890771619
24	Pulmonary hypertension in	84890783241	Journal of the American Col	2013	Werner Seeger; Yochai Adir;	2-s2.0-84890783241
25	Survival and prognosis am	84883742082	Leukemia., 2013;27(9):1874	2013	A. Tefferi; E. Rumi; G. Finaz	2-s2.0-84883742082
26	The Coexistence of Asthma	84877605913	PLoS ONE., 2013;8(5).	2013	Roberto de Marco; Giancar	2-s2.0-84877605913
27	Calmodulin mutations asso	84874664698	Circulation., 2013;127(9):1	2013	Lia Crotti; Christopher N. Jo	2-s2.0-84874664698
28	International Myeloma Wo	84883021288	Journal of clinical oncolog	2013	Evangelos Terpos; Gareth M	2-s2.0-84883021288
29	Riociguat for patients with	84881102246	Circulation., 2013;128(5):5	2013	Diana Bonderman; Stefano	2-s2.0-84881102246
30	Executive summary: HRS/EH	84891708821	Europace : European pacin	2013	Silvia G Priori; Arthur A Wil	2-s2.0-84891708821
31	R-CVP versus R-CHOP versu	84876578455	Journal of Clinical Oncolog	2013	Massimo Federico; Stefano	2-s2.0-84876578455
32	Treatment of autoinflamma	84875963811	Annals of the Rheumatic Di	2013	Nienke Ter Haar; Helen Lach	2-s2.0-84875963811
33	Impact of genetics on the c	84880078317	Journal of the American Co	2013	Peter J. Schwartz; Michael J	2-s2.0-84880078317

Article

DUENNWALD T, GATTERER H, GROOP PH, BURTSCHER M, BERNARDI L:
EFFECTS OF A SINGLE BOUT OF INTERVAL HYPOXIA ON CARDIORESPIRATORY CONTROL AND
BLOOD GLUCOSE IN PATIENTS WITH TYPE 2 DIABETES.
DIABETES CARE. 2013 AUG;36(8):2183-9

impactfactor

7,735

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Type 2 Diabetes Mellitus
Overview of attention for article published in
Diabetes Care, January 2013

1

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[Microvascular oxygen partial pressure during hyperbaric oxygen in diabetic rat skeletal muscle](#)
Yamakoshi, K., Yagishita, K., Tsuchimochi, H.
(2016) American Journal of Physiology - Regulatory

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Article

DUENNWALD T, GATTERER H, GROOP PH, BURTSCHER M, BERNARDI L:
EFFECTS OF A SINGLE BOUT OF INTERVAL HYPOXIA ON CARDIORESPIRATORY CONTROL AND
BLOOD GLUCOSE IN PATIENTS WITH TYPE 2 DIABETES.
DIABETES CARE. 2013 AUG;36(8):2183-9

impactfactor

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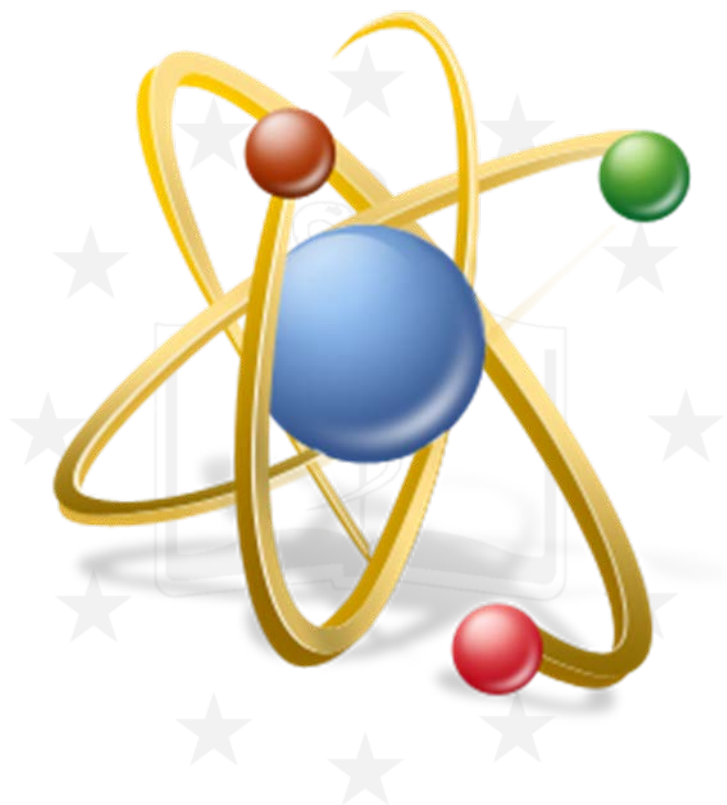
CitazioneCalcolata 4



Altmetrics_CitazioneCalcolata Score 1



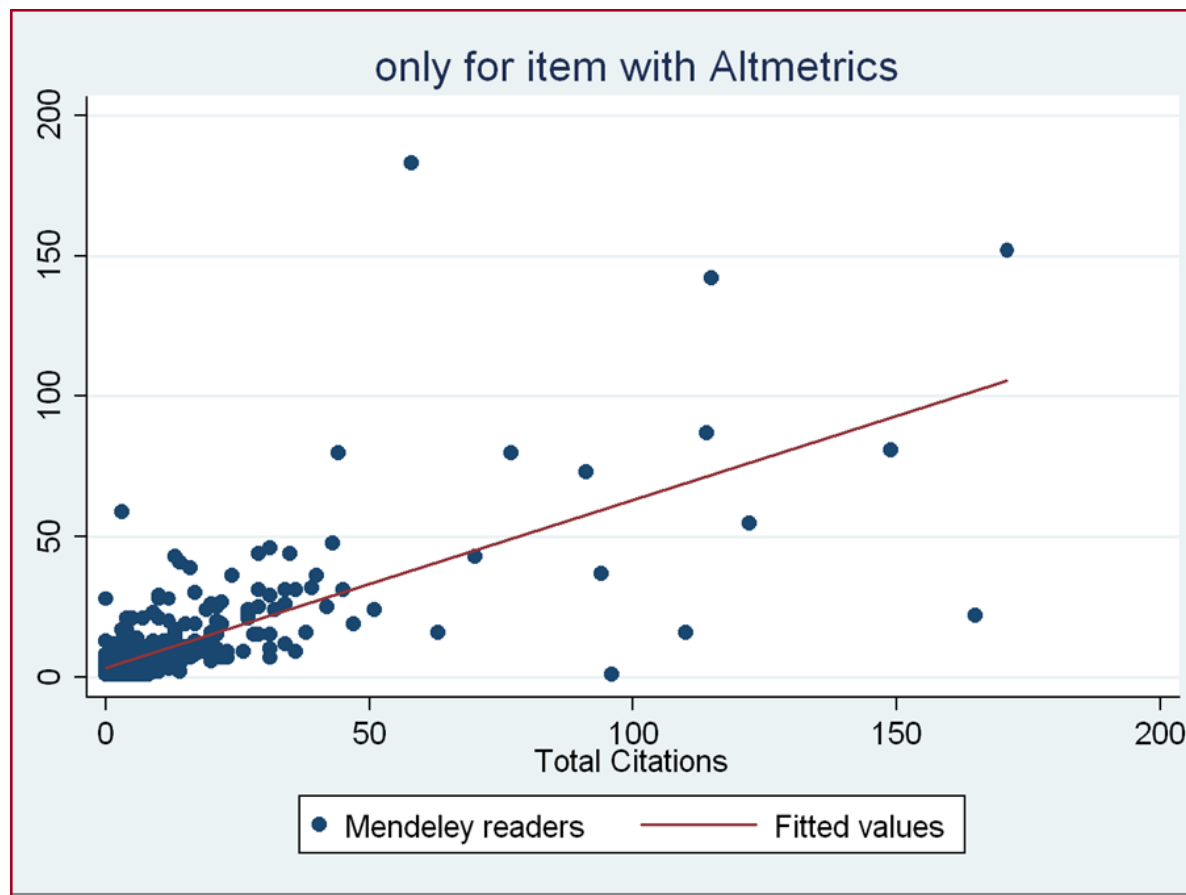
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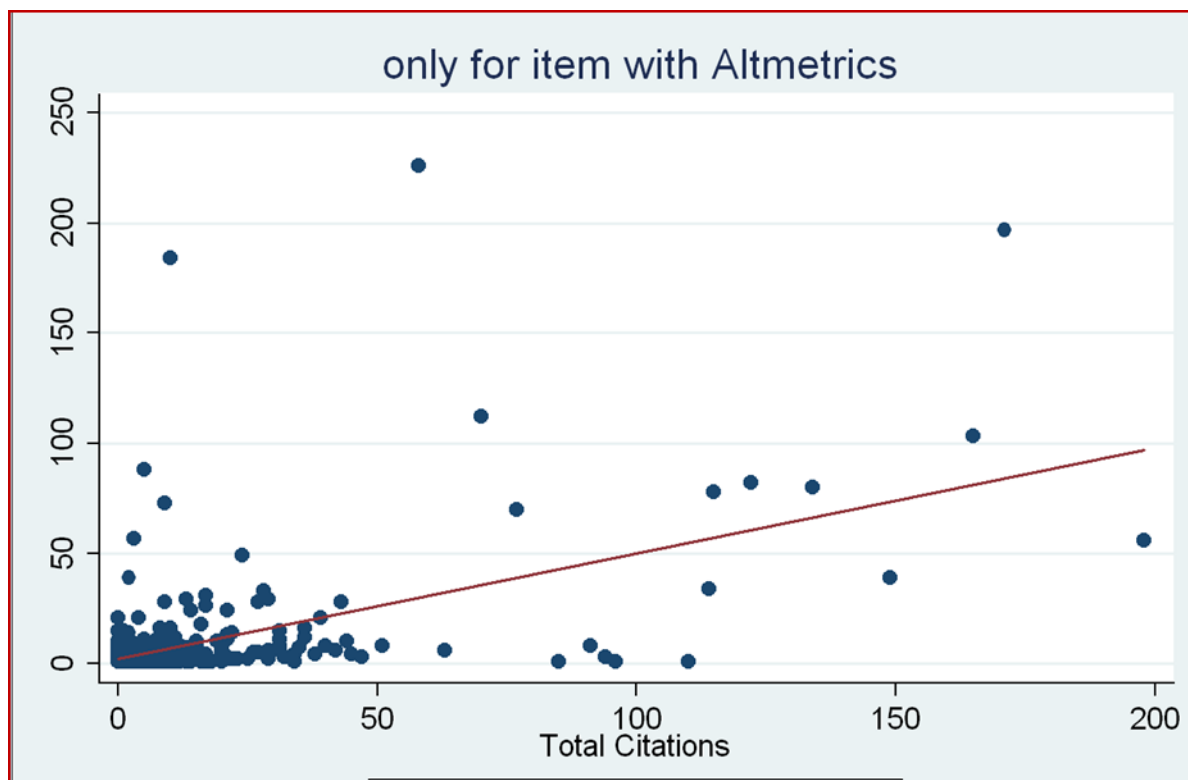
Statistical Analysis

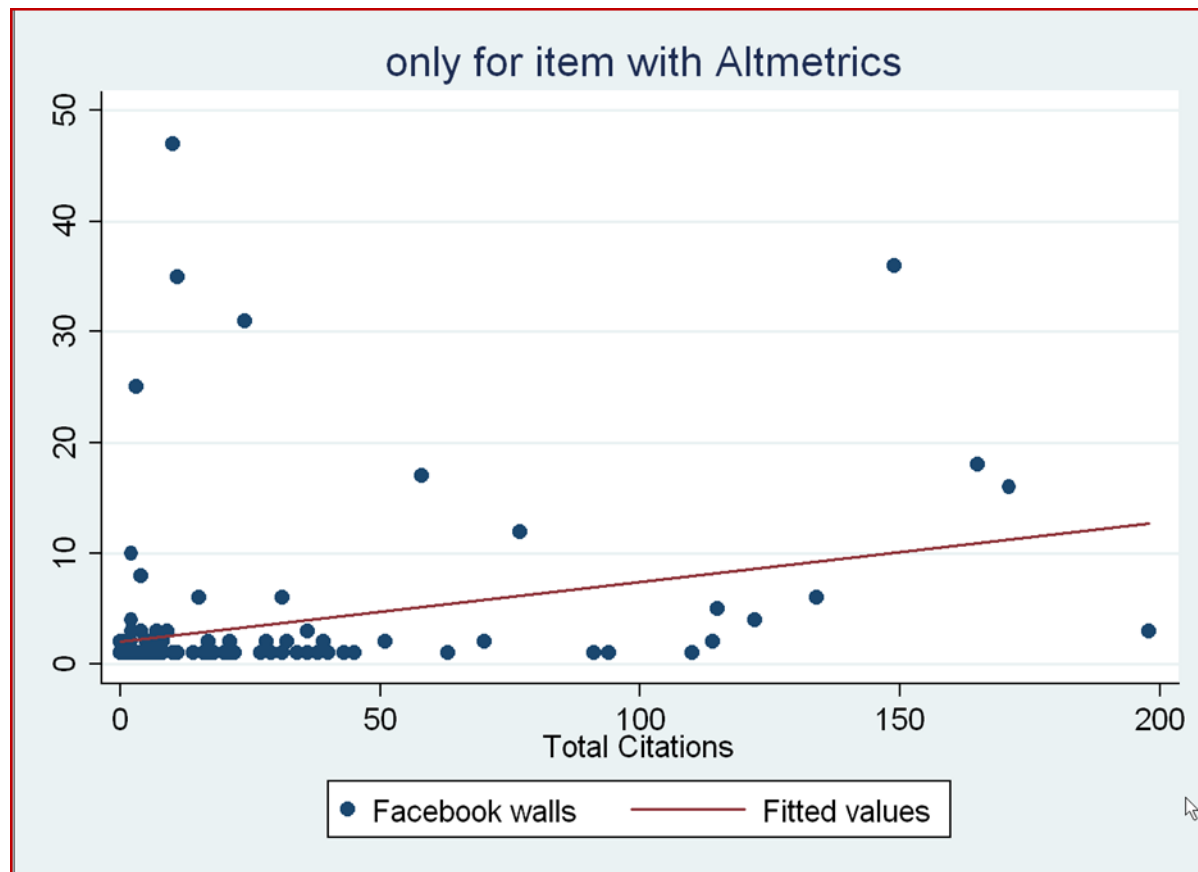
- We collected the scientific production of the years **2013 -2014** of our hospital;
- We retrivied citations for each publication through Web Of Science (citation received for each articles);
- Through the PMID and the DoI of each publication, we obtained each one's score on Almetrics.com (thanks to our *trial*);
- We found out that **593** of the **1305** article obtained an Altmetrics Score!

Citations and Mendeley Readers



Twitter and Citations





From our study:

- Good correlations are observed, and a high percentage of papers have their own Altmetric score;
- Altmetrics could act as reliable tools in evaluating both researchers and departments;
- In our institution, a *high score* was obtained by many items, both within the research community (e.g. Mendeley readers) and the general public (Twitter, Facebook).

Conclusion

- **Altmetrics** is useful and may well be considered reliable.
- It can represent an interesting and relevant **complement** to citations
- **Together with traditional metrics**, they can be a useful tool in guiding decision makers when funding public research.
- Nevertheless, **further investigations** are still needed to explore and understand what they measure and how can they be used in research evaluation.
- *Librarians could play an active role.*

Future Purposes...

- **extending** the analysis to our scientific production for the **next years**.
- **measure** the broad impact of our researchers in the **academic community** and on the **society** in a different way from what has traditionally been done.
- **explore** the possibility of **combining** the Altmetrics to traditional indicators as a possible parameter to assess the impact of scientific works
- Last but not least we would like to **study** how and if **libraries** could use these new indicators in their **daily work**

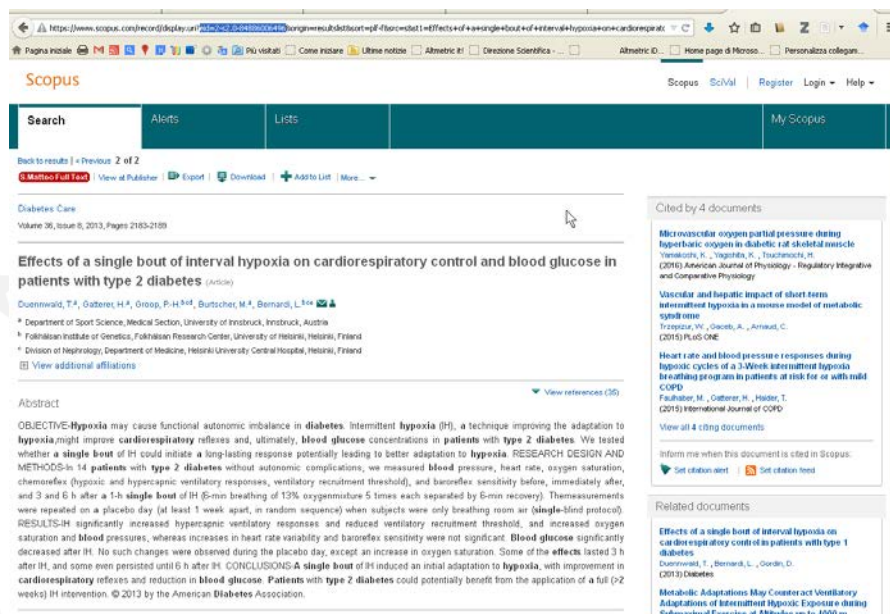
Thank you for your
attention!

Questions ?



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Effects of a single bout of interval hypoxia on cardiorespiratory control and blood glucose in patients with type 2 diabetes (Article)

Duenwald, T.^a, Gatterer, H.^a, Groop, P.-H.^{a,b}, Butcher, M.^a, Bernard, L.^{a,c}

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^b Fukuoka Institute of Genetics, Fukuoka Research Center, University of Helsinki, Helsinki, Finland
^c Division of Nephrology, Department of Medicine, Helsinki University Central Hospital, Helsinki, Finland

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Abstract

OBJECTIVE: Hypoxia may cause functional autonomic imbalance in diabetes. Intermittent hypoxia (IH), a technique improving the adaptation to hypoxia, might improve cardiorespiratory reflexes and, ultimately, blood glucose concentrations in patients with type 2 diabetes. We tested whether a single bout of IH could initiate a long-lasting response potentially leading to better adaptation to hypoxia. **RESEARCH DESIGN AND METHODS:** In 14 patients with type 2 diabetes without autonomic complications, we measured blood pressure, heart rate, oxygen saturation, chemoreflex (hypoxic and hypercapnic ventilatory responses, ventilatory recruitment threshold), and baroreflex sensitivity before, immediately after, and 3 and 6 h after a 1-h single bout of IH (5-min breathing of 13% oxygen mixture 5 times each separated by 6-min recovery). Thermosensations were repeated on a placebo day (at least 1 week apart, in random sequence) when subjects were only breathing room air (single-blind protocol). **RESULTS:** IH significantly increased hypercapnic ventilatory responses and reduced ventilatory recruitment threshold, and increased oxygen saturation and blood pressures, whereas increases in heart rate variability and baroreflex sensitivity were not significant. Blood glucose significantly decreased after IH. No such changes were observed during the placebo day, except an increase in oxygen saturation. Some of the effects lasted 3 h after IH, and some even persisted until 6 h after IH. **CONCLUSIONS:** A single bout of IH induced an initial adaptation to hypoxia, with improvement in cardiorespiratory reflexes and reduction in blood glucose. Patients with type 2 diabetes could potentially benefit from the application of a full (>2 weeks) IH intervention. © 2013 by the American Diabetes Association.

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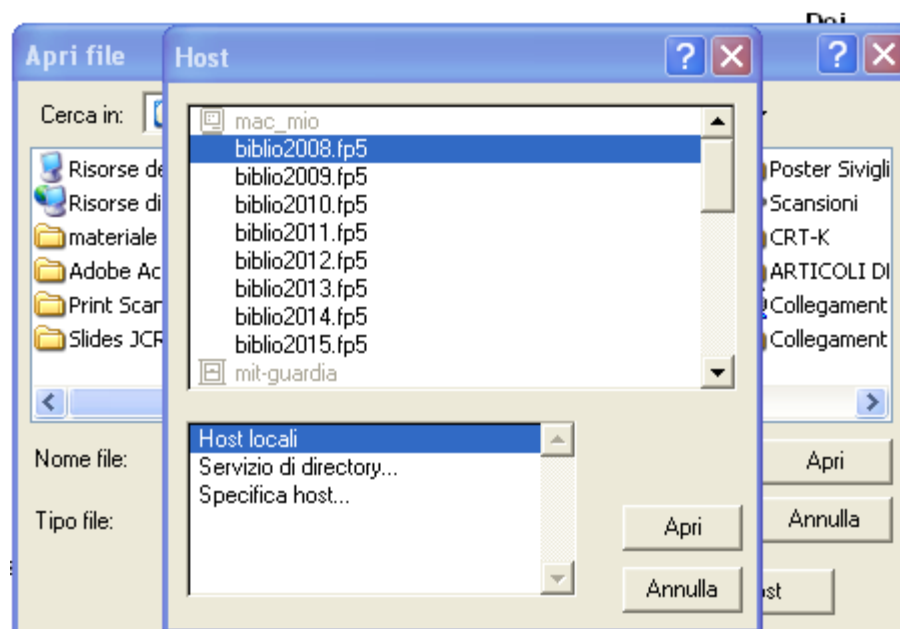
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