



Stroke Research Workshop 2011

Treating Stroke With Hypothermia

Call for the roll-out of a large hypothermia trial

Brussels, January 24, 2011

PRESS COVERAGE REPORT

Mrs. Roberta Bonometti
Press Officer

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Summary of Press Coverage – Stroke Research Workshop, 24 January 2011

The media interest that surrounded the Stroke Research Workshop - including the EuroHYP proposal for conducting a clinical trial with hypothermia, was impressive and a clear indicator of the concerns citizens have currently regarding stroke and its outcome for patients.

Most articles voiced the hope that the hypothermia trial could establish a **new clinical intervention for stroke**. News about the trial proposed by EuroHYP, released at the Stroke Research Workshop held in Brussels on January 24, 2011, were widely reported in **several languages**: English, French, German, Italian, Spanish, Portuguese, Dutch, Danish, Finnish, Greek, Chinese, Japanese, Ukrainian, Russian, etc. - in Europe, the USA, Asia, the Middle East, Africa and South America, resulting in **over 4,000 articles and news stories**.

The headlines were available on popular news search engines like Google News, Yahoo News, Dow Jones (Factiva). All sectors of the media were involved, from print and digital to the audiovisual media, highlighting the interest by the public and society as a whole for the potentially revolutionary implications of the trial.

A press release issued by EuroHYP in English, German and French, together with statements from workshop participants, including trial leader Dr. Stefan Schwab, and interviews with EuroHYP president Dr. Malcolm Macleod were widely published around the world, appeared in several newspapers and magazines and made headline news on radio and television.

The main story was broken by the British media, by **The Sunday Times** and the **BBC Radio and Television** services, with an early morning live interview on January 24, with Dr. Malcolm Macleod on **BBC Radio 5 Live**, followed immediately by another interview on BBC **Radio 4 Today programme**, repeated twice. The Today programme, which sets the daily news agenda in the united Kingdom and is widely watched by news makers around Europe, interviewed live also Mr. Hubert H., a stroke survivor treated in Denmark by Prof. Dr. Dirk Krieger (University of Copenhagen). Dr. Macleod was also interviewed by **BBC Television** live from the Brussels studios for the morning news. The day before, on January 23rd, **BBC Television Scotland** had filmed Dr Macleod in his Edinburgh clinic.

This footage, together with reports from journalists attending the EuroHYP press conference in Brussels, formed the base for many articles which appeared on national and regional TV in Great Britain, but were also widely reproduced around the world. Some clips were available on the BBC national and world service websites, with a number of headlines including *“Brain cooling can aid stroke recovery”*.

The BBC and other reports, for example by the British **Associated Press** (headline: *“Medics hail new stroke treatment”*), by the Belgian press agency **Belga** (*“Le refroidissement, traitement prometteur pour lutter contre l'AVC”*), the Italian news agencies **ANSA** (*“Medicina: Ibernando il cervello, migliora recupero dopo ictus”*), **ASCA** (*“Salute: Esperto, l'ipotermia anti-ictus potrebbe*

salvare 40.000 vite ogni anno”) and **AGI** (“Ictus: congelare il cervello facilita guarigione”) Spanish **Europa Press** (–*El frío puede ayudar a la recuperación de pacientes con derrame cerebral, según estudio*”), by the **Parliament Magazine**, were syndicated widely and republished by the most diverse news outlets: from major mainstream news portals, to health information websites, from lawyers portals to doctors’ surgeries and patients groups’ web pages. In addition, countless bloggers discussed the story.

In the British press, **The Sunday Times** first reported the story on Sunday, 23rd of January ahead of the workshop as an exclusive deal, highlighting the trial project and the call for funding by the European scientists. The popular British Sunday newspaper **Mail on Sunday** put up immediately after the Press Conference a well illustrated, large story on their website, entitled: “*Cooling brains of stroke patients could aid their recovery by placing them in ‘hibernation’*”, developing the historical background of doctors’ experience and observations of incredible recoveries of wounded soldiers who were left out in the snow, so kept in a state of hypothermia, going back to Napoleon’s battlefields. The same doctors had observed that other wounded soldiers left by the camp fire in normal temperatures would instead be dead much more quickly, the newspaper reported.

The daily newspaper **Daily Mail** - representing the largest English newspaper portal in the world after the *New York Times* - also carried the same story with illustrations on its website. **The Times** published a story with the headline “*Freeze funds’ needed for stroke victims*” as well as **The Scotsman**: “*Scots lead cash bid for radical stroke therapy*”.

The Evening Chronicle of Newcastle (Feature: “*scientists have called for funding for a Europe-wide trial of a new way of treating stroke victims*”; and “*Cooling the brain of patients who have suffered a stroke could dramatically improve their recovery, doctors have discovered*” - 31 January 2011) and even the popular London commuters daily **Metro** published short news about hypothermia: –*COOLING the brains of stroke patients could protect them from disability and death, it was claimed yesterday. Scottish doctors say reducing the body temperature and inducing hypothermia could improve recovery.*”

For a few days following the Press Conference and release, reports about the proposed trial appeared also in Italy in national dailies such as **La Stampa** (“Ictus: le nuove cure puntano sull’ipotermia del paziente”), **Il Corriere della Sera** (“Ictus, una speranza dall’ipotermia”), **Il Sole 24 Ore** (“Ipotermia anti-ictus: un’ibernazione artificiale per il cervello”) and **L’Arena**, the Verona regional newspaper, where one of the hospitals taking part in the proposed trial is located (“Ictus, Verona fra i centri pilota di uno studio svolto in 21 Paesi”). They quote Prof. Francesco Orzi, from Rome Sapienza University, who is working on the trial project.

In Germany the story was published by the **Nuernberg Abendzeitung** (“Eiskalter Kampf gegen den Schlaganfall”), quoting Dr. Rainer Kollamr, participating in the trial at the University of Erlangen, and both *Die Welt* Wissenschaft and *Der Spiegel* are working on a more in depth piece for a later time.

In Belgium, the Dutch language newspaper **De Morgen** published on 25 January 2011 an interesting article in two parts: one *–Patiënt koelen helpt bij beroertes*” focusing on the scientific and clinical details of the proposed trial and the other *“Therapeutische koeling van lichaam perkt invaliditeit na trombose in en kan 40.000 levens per jaar redden”*, on the experience of the Danish Stroke survivor Mr Hubert H., who was interviewed by Barbara Seynaeve at the press conference. The newspaper publishes a picture of Mr Hubert H. and his wife taken in Brussels.

The French language newspapers **Le Soir** (*“Le refroidissement, traitement prometteur pour lutter contre l’AVC”*), **La Meuse**, the weekly magazine **Le Vif l’Express**, as well as press agencies **Belga** and **Agence Europe** *“(EU) EU/HEALTH: Commission asked to support hypothermia clinical test on stroke victims; (EU) UE/SANTÉ: la Commission invitée à soutenir un essai clinique sur l’utilisation de l’hypothermie thérapeutique dans le traitement de l’AVC”* published the news about the potential of hypothermia in treating stroke and the call for funding for a large scale European trial. The national TV Broadcaster **RTBF** is currently preparing a report. **The Parliament Magazine**, a monthly magazine in English focusing on European news also published an illustrated story on its website and in the February 2011 paper edition with the headline *–EU urged to back pioneering new stroke research”*.

In Denmark an article appeared also in **Jyllands-Posten** (*“Hjernenedkøling kan begrænse slagtilfælde”*), in Finland in **Turun Sanomat** (*“Hypotermiasta kehitetään aivohalvauksen hoitokeinoa - Kotimaa* –in France in the **French Tribune**, in Greece in **Kathimerini** (*“Η ψύξη του εγκεφάλου με τεχνητή υποθεπμία”*). In Japan, a story appeared in the main national newspaper **Asahi Shimbun**.

In The Netherlands an article appeared in **De Volkskrant** of 29 January 2011 entitled *“Koeling beperkt hersenschade”*. The article describes the benefits to stroke patients of therapeutic hypothermia, describes the proposed large scale trials in 25 countries in Europe, and in particular the contribution of The Netherlands, quoting Dr. Bart Van der Worp, Neurologist at Utrecht University’s Medical Centre.

In addition to the European media, leading web portals around the world, such as for example TopNews United States, featured the story prominently.

The list of headlines that follow below (see pages: 7-65) is solely an indication of the level of public interest and is by no means comprehensive.

Press at the workshop

Attended

| | | | | |
|-------------|------------------|-------------------------|--|-----------|
| Martin | Banks | Correspondent | The Parliament Magazine | Int (EUR) |
| Pascale | Bollekems | Health Correspondent | RTBF TV | BE |
| Henry | Borzi | Journalist | Mediaplanet Group | ITA |
| Caroline | Corbiau | Journalist | Belga Press Agency | BE |
| Maria Laura | Franciosi | Correspondent | Avvenire | ITA |
| Thomas A | Friedrich | Journalist | Die Welt Wissenschaft, Bonner Textagentur (BTA) | Ger |
| Jacques | Malache | Senior Director | International Press Agency | Int |
| Ichiro | Matsui | Bureau Chief | Asahi Shimbun | J |
| Barbara | Seynaeve | Journalist | De Morgen | BE |
| Chiara | Spegni | Correspondent | Ansa - Agenzia Nazionale Stampa Associata | ITA |
| Rory | Watson | Correspondent | The Times - BMJ | UK |

Registered

| | | | | |
|-------------|------------------------|-------------------------|---|-----------|
| Olivier | Jehin | Deputy Editor-in-Chief | Agence Europe | Int (EUR) |
| | | | Agence France-Presse | FR |
| Chiara | Spegni | Correspondent | Ansa - Agenzia Nazionale Stampa Associata | ITA |
| | | | ARD-Studio Brussels German Public Radio HR, RBB, SR, RB, SFB | Ger |
| Ichiro | Matsui | Bureau Chief | Asahi Shimbun | J |
| Maria Laura | Franciosi | Correspondent | Avvenire | ITA |
| Barbara | Seynaeve | Journalist | De Morgen | BE |
| | | | Deutsche Presse-Agentur (DPA) | Ger |
| Thomas A | Friedrich | Journalist | Die Welt Wissenschaft, Bonner Textagentur (BTA) | Ger |
| | | | EFE - Spanish Press Agency | Spanish |
| Sophie | Petitjean | Journaliste | Europolitics | Int (EUR) |
| Jacques | Malache | Senior Director | International Press Agency | Int |
| Henry | Borzi | Journalist | Mediaplanet Group | ITA |
| Katalin | Halmai | Special correspondent | Népszava Hungarian daily | H |
| Debora | MacKenzie | European Editor | New Scientist | UK |
| Fabian | Dragos Dumitran | Cameraman | Rumanian Public Television (TVR) | Rom |
| Magdalena | Moreh Angel | Permanent Correspondent | Rumanian Public Television (TVR) | Rom |
| Martin | Banks | Correspondent | The Parliament Magazine | Int (EUR) |
| Rory | Watson | Correspondent | The Times - BMJ | UK |

Danish

Jyllands-Posten

[Hjernenedkøling kan begrænse slagtilfælde](#)

25/01/2011

Forskerne overvejer nu at igangsætte et mere omfattende forsøg med metoden, og i følge doktor **Malcolm Macleod**, der er leder afdelingen for eksperimentel neuroscience på the Centre for Clinical Brain Sciences ved University of Edinburgh, http://fpn.dk/liv/krop_valvare/article2316379.ece
<http://fpn.dk/>

Dutch

Koeling beperkt hersenschade

John Ekkelboom

29 January 2011

De Volkskrant (Nespaper, The Netherlands)

Een herseninfarkt leidt vaak tot een ernstige skoeling. Lichaamskoeling kan dat mogelijk voorkomen.

Koeling beperkt hersenschade

Een herseninfarkt leidt vaak tot een ernstige handicap. Lichaamskoeling kan dat mogelijk voorkomen. Door **John Ekkelboom**

Afgelopen weekeinde kwamen Europese wetenschappers in Brussel bijeen om afspraken te maken over een grootschalig onderzoek naar het effect van lichaamskoeling op een herseninfarkt. Dierproeven hebben aangetoond dat deze aanpak de schade in de hersenen kan beperken. Er zullen 25 landen in Europa meedoen aan de studie, waaronder Nederland. Gezamenlijk gaan de onderzoekers vanaf eind volgend jaar vijftienhonderd patiënten behandelen, van wie de helft met koeling en de overige op de conventionele manier.

Op dit moment zijn de behandel mogelijkheden voor een herseninfarkt zeer beperkt. Patiënten - jaarlijks komen er in Nederland ongeveer 35 duizend nieuwe bij - die op tijd in het ziekenhuis belanden, krijgen antistollingsmiddelen om de bloedprop in het hersenvat op te lossen. Helaas komen de meeste slachtoffers te laat. Maar ook van de behandelde mensen zal de helft overlijden of gehandicapt blijven. De hoop is nu gevestigd op koeling, ook wel hypothermie genoemd.

Neuroloog Bart van der Worp van het

Universitair Medisch Centrum Utrecht, een van de hoofdonderzoekers van de Europese studie, legt uit dat een herseninfarkt leidt tot zuurstoftekort in het afgesloten hersengebied. Door dat tekort ontstaan er ter plekke schadelijke stoffen die de hersencellen vernietigen. Bij een lagere lichaamstemperatuur vertraagt de stofwisseling en vermindert vervolgens de zuurstofbehoefte - en daarmee de productie van die schadelijke stoffen.

Met subsidie van de Nederlandse Hartstichting gaat Van der Worp dit jaar, samen met collega's van het Erasmus Medisch Centrum in Rotterdam en het Universitair Medisch Centrum Groningen, eerst onderzoeken wat de optimale temperatuur is. 'Die is afhankelijk van wat patiënten kunnen verdragen. We leggen speciale kussens om heen heen, waar we koude vloeistof doorheen laten lopen. Ik verwacht dat we tot 34 graden Celsius kunnen gaan.'

Patiënten krijgen tevens medicijnen toegediend, een soort opjaten, die een aangenaam gevoel geven en de rillingen tegengaan. De behandeling moet binnen zes uur na de eerste symptomen

van het herseninfarkt beginnen en duurt 24 uur. Daarna zal het stolsel meestal zijn opgelost en kunnen de hersenen herstellen.

Geheel nieuw is hypothermie overigens niet. Deze therapie wordt al langer ingezet bij patiënten die zijn gereanimeerd na een hartstilstand, waarbij ook een zuurstoftekort van de hersenen ontstaat. Het doel is eveneens hersenschadigingen te voorkomen. De koeling gebeurt altijd op een intensive care. Slaapmiddelen zorgen ervoor dat de patiënt er niets van merkt.

Veel ziekenhuizen in Nederland passen deze behandeling al jaren toe. Janneke Horn, neuroloog-intensivist van het Academisch Medisch Centrum in Amsterdam, vertelt dat zij samen met andere ziekenhuizen in Nederland, Zweden, Denemarken en Luxemburg binnenkort ook het nut van deze therapie gaat onderzoeken. De centrale vraag is of een behandeling na reanimatie met 36 graden Celsius net zo effectief is als met 33 graden Celsius, zoals nu meestal gebeurt. Horn: 'De huidige standaardbehandeling is gebaseerd op twee kleine studies. In de controlegroepen die geen hypothermie kregen, hadden veel patiënten koorts. Dat is waarschijnlijk slecht voor beschadigde hersenen. We willen nu weten of de gekoelde groep beter af was door de behandeling of dat het voorkomen van koorts dezelfde gunstige resultaten geeft.'

Flemish

Patiënt koelen helpt bij beroertes

Barbara Seynaeve

25 January 2011

De Morgen (Newspaper, Belgium)

p. 10, Flemish (Dutch)

Therapeutische koeling van lichaam perkt invaliditeit na trombose in en kan 40.000 levens per jaar redden

Patiënt koelen helpt bij beroertes

Veertigduizend Europeanen zouden elk jaar aan de dood ontsnappen als hun lichamen na een beroerte door artsen enkele graden afgekoeld zouden worden alvorens een behandeling te starten. De European Stroke Organisation (ESO) presenteerde de techniek, hypothermie of therapeutische koeling, op een persconferentie in Brussel als een eenvoudig en goedkoop reddingsmiddel voor doodsoorzaak nummer twee.

10 NIEUWS

DINSDAG 25 JANUARI 2011 DE MORGEN

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DOOR BARBARA SEYNAEVE

BRUSSEL • Therapeutische koeling is goedkoper, en efficiënter, dan de geneesmiddelen die de farmaceutische industrie op de markt gooit. Net daarom lobbyen farmagiganten actief bij de Europese Unie om het grootschalig proefproject dat ESO in 2012 wil starten niet te steunen. "Er valt weinig geld te verdienen met hypothermie, met geneesmiddelen des te meer."

Hoer lager de lichaamstemperatuur, hoe trager de lichaamsfuncties. Het hart klopt langzamer en cellen hebben minder zuurstof nodig, waardoor hersenen bij een trombose of hersenbloeding minder snel afsterven en de overlevingskans van patiënten een pak hoger ligt. Of revalidatie veel vlotter verloopt.

In België zou hypothermie drastische gevolgen hebben voor de jaarlijks 20.000 Belgen die getroffen door een eerste beroerte. Van alle getroffen patiënten stierft vandaag immers een derde binnen het jaar en 38 procent van hen raakt in meerdere of mindere mate invalide. Op basis van eerste onderzoeken van ESO zouden artsen 100 Europeanen per dag kunnen redden als ze therapeutische koeling zouden toepassen na beroertes, oftewel 40.000 per jaar.

De techniek is niet nieuw, ze wordt vandaag al gebruikt voor hartoperaties en bij hartinfarcten bijvoorbeeld, maar tot nog toe niet voor hersenbloedingen en tromboses. Lichamen kunnen op twee manieren afgekoeld worden: extern door het lichaam te bedekken met patches waar gekoeld water door stroomt, of door een katheter te prikken in een hoofdadere en het bloed dat erdoor gestuwd wordt af te koelen.

Dit uitgebreid onderzoek met dieren blijkt het succes van de techniek groter hoe lager de lichaamstemperatuur, maar bij beroertes is de speling gering. "Bij hartoperaties zijn temperaturen tot 15 graden mogelijk", zegt Geert Vanhooren, neuroloog in het AZ Sint-Jan in Brugge en lid van ESO. "Maar patiënten met een cva (cerebro vasculair accident, red.) zijn bij bewustzijn. Als hun temperatuur naar omhoog gaat beginnen ze te trillen en te beven, dat kunnen we niet maken."

Grote test

De ESO heeft net een testperiode afgerond in zes Europese landen, waarbij werd onderzocht of alle 150 patiënten veilig teruggehaald konden worden na de koelingsfase. In 2011 start een grote testfase, waarin 1.500 personen met beroertes intensief zullen worden opgevolgd nadat ze 24 tot 35 graden zullen

hebben gehad. Eénentwintig landen nemen deel aan het project, verdeeld over 80 ziekenhuizen waaronder AZ Sint-Jan in Brugge. Omdat de bestaande productie van de nodige instrumenten zo kleinschalig is, hoopt ESO 12 miljoen euro van de Europese Unie te strikken om die bedrijven voorschotten te kunnen betalen.

"Het probleem is dat hypothermie niet patenteerbaar is", zegt Stefan Schwab, professor neurologie aan de Friedrich Alexander Universiteit in Nürnberg, tijdens een presentatie in Brussel. "De farma-industrie kan er dus geen geld mee verdienen. En dat terwijl ze elk jaar 50 miljoen euro pompt in de ontwikkeling van medicijnen die de ontwikkeling van beroertes moeten verlichten."

STEFAN SCHWAB (PROFESSOR NEUROLOGIE): Het is moeilijk geld te vinden voor onderzoek, omdat de farmaceutische industrie hier niet aan kan verdienen

Schwab zegt het niet met zoveel woorden, maar dat het zo moeilijk is om een onderzoek naar hypothermie, dat zijn nut al bewezen heeft bij talrijke aandoeeningen, te verkopen bij de EU is geen toeval. "En dat terwijl het onderzoek binnen het jaar zichzelf terugbetaald zou hebben", zegt Schwab. "De maatschappelijke kosten van beroertes vallen niet te onderschatten. Daarbij verouderd de Europese bevolking, wat de nood aan een mogelijk goedkope en veilige oplossing alleen maar stringenter maakt."

'Drie keer sneller hersteld dan mijn lotgenoten'

De Deen Hubert Hermann (70) was een van de patiënten die na zijn trombose zes maanden geleden in het Universitair Ziekenhuis in Copenhagen werd voorgesteld om hypothermie te proberen. Neuroloog Derk W. Krieger had dan al een veertigtal patiënten op die manier behandeld en hij wist Hermanns echtgenote en dochter te overhalen enkele uren nadat de gepensioneerde ingenieur het ziekenhuis binnen was getoed.

"Ik was het gras aan het afrijden", zegt Hermann. "Dat is het laatste wat ik me

herinner. Het volgende is dat ik dokter Krieger tegen me hoorde praten."

Hermann was bij bewustzijn, maar erg verward, vertelt Krieger op zijn beurt. "Aanvankelijk dachten we dat hij er wel door zou raken, maar zijn vooruitgang stakte na enkele uren", zegt hij. "De hele linker kant van zijn gezicht bleef verlamd, en daarom hebben we uiteindelijk hypothermie voorgesteld."

Echthogenote Vita was er niet gerust op, zegt ze met haar man aan haar zijde. "Het was onze dochter die me heeft overtuigd.

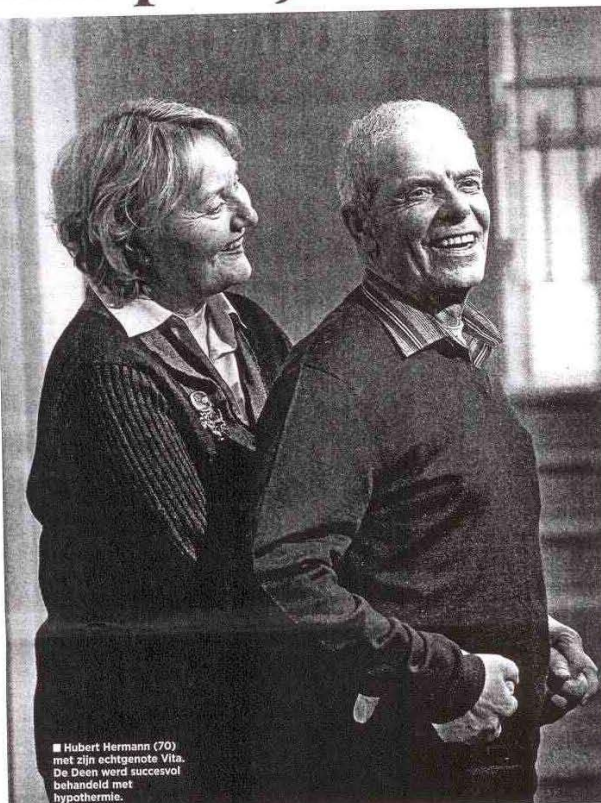
Dokter Krieger had verteld dat Hubert zoals hij op dat moment was zou wakker worden, of zelfs beter. Slechter zou het niet meer worden dankzij de therapeutische koeling, dus ik kon gewoon niet mee reggen."

Verlamming weg

Vandaag is Hermann dezelfde als voor zijn beroerte, knikken ze allebei. "Hubert herstelde ook veel sneller dan de lotgenoten in het revalidatiecentrum

die geen hypothermie hadden ondergaan", zegt Vita. "De verlamming in zijn gezicht was weg. Na drie maanden kon hij opnieuw vloer eten, spreken, bewegen en nu kunnen we fietsen of reizen zoals we voor die beroerte altijd graag hebben gedaan."

"Het enige verschil is dat Hubert Hermann wel al eens iets vergeet, en dat ook zijn concentratie niet meer is wat het ooit was. "Daar heeft hij nu nu voor", glimlacht Vita. "En in vergelijking wat he had kunnen zijn, ben ik heel dankbaar."



■ Hubert Hermann (70) met zijn echtgenote Vita. De Deen werd succesvol behandeld met hypothermie.

ENGLISH

[EU urged to back pioneering new stroke research](#)

TheParliament.com (Magazine - Fortnightly – Belgium/EU)

[Martin Banks](#)

A Brussels conference has been told about new research which claims to "significantly" improve the prospects of stroke ...

Web

24/01.2011

Print

07/02/2011

Features

COOLING the brain of patients who have suffered a stroke could dramatically improve their recovery, doctors have discovered.

31 January 2011

The Evening Chronicle, Newcastle

p.2 - 165 words

English

Features

SCIENTISTS have called for funding for a Europe-wide trial of a new way of treating stroke victims.31 January 2011

The Evening Chronicle, Newcastle

p. 11 - 197 words

English



Scots lead cash bid in radical stroke therapy

Lyndsay Moss Health Correspondent

24 January 2011

4

11

English

Scottish experts are hoping to lead efforts to improve the survival of stroke patients by inducing hypothermia.



News

'Freeze' funds needed for stroke victims

25 January 2011

Cooling brain may be stroke recovery aid

By Kirsteen Paterson

25 January 2011

METRO

p. 1 and p. 24 - 227 words

English

COOLING the brains of stroke patients could protect them from disability and death, it was claimed yesterday. Scottish doctors say reducing the body temperature and inducing hypothermia could improve recovery.

Cooling brains of stroke patients could aid their recovery by placing them in 'hibernation'

24 January 2011

Mail on Sunday (UK)

By Daily Mail Reporter

Scientists from across Europe are calling ...

Story by own reporter which gives historical background on the use of hypothermia (Napoleon surgeons), talks about the study and the need for funding.

Picture: Doctors in an angiogram suite (which visualises blood vessels) treating a stroke patient.

<http://www.mailonsunday.co.uk/health/article-1349972/Cooling-brains-stroke-patients-aid-recovery-creating-state-hibernation.html>

Same story on **Daily Mail** website

<http://www.dailymail.co.uk/health/article-1349972/Cooling-brains-stroke-patients-aid-recovery-creating-state-hibernation.html>

Cooling the brain 'aids stroke recovery'

French Tribune - [Annabel Tautou](#) - an ,

As per the scientists, the chance of brain injury and strokes can be reduced by lowering the body temperature to cool down the brain. ...

<http://www.frenchtribune.com/teneur/113135-cooling-brain-aids-stroke-recovery>



THE SUNDAY TIMES

News

My son's gone: let no one else suffer like us; The mother of a teenager kept in a coma for four years has inspired a review of medical practice that may affect thousands, says Lois Rogers

Lois Rogers

23 January 2011

The Sunday Times (UK)

ST, p.2 and 4

Insert: Cooling brains saves stroke victims

Quoting Dr. Malcolm Macleod and the proposed pan European trial

Subscription only website, link not available

Finnish



Turun Sanomat

24/01/2011

[Hypotermiasta kehitetään aivohalvauksen hoitokeinoa - Kotimaa ...](#)

Joukko eurooppalaisia tutkijoita uskoo voivansa vähentää aivohalvauksen ... perustettu eurooppalainen aivohalvaustutkijoiden verkosto **Eurohyp** kokoontui sunnuntaina Brysselissä. ...

www.ts.fi/online/kotimaa/191096.html - [Cached](#)

FRENCH

Le refroidissement, traitement prometteur pour lutter contre l'AVC

January 24, 2011

[LeVif.be](#) - (Magazine, Belgium)

French

"Nous estimons que l'hypothermie peut améliorer l'issue pour plus de 40.000 Européens tous les ans", précise le docteur **Malcolm MacLeod**, chef de département ...

<http://levif.mnews.be/fr/news/belga-generique/le-refroidissement-traitement-prometteur-pour-lutter-contre-l-avc/article-1194930838978.htm>

Cardiologie / Risque d'accident cardiaque en hausse de 27% pour les plus de 65 ans
Le bruit augmente le risque d'AVC

L'ÉTOILE
 Les chercheurs ont découvert que le bruit augmente le risque d'accident vasculaire cérébral (AVC) chez les personnes âgées de plus de 65 ans. Cette découverte a été faite par une équipe de chercheurs de l'université de Rotterdam, aux Pays-Bas. Ils ont analysé les données de 10 000 personnes âgées de plus de 65 ans, pendant une période de 10 ans. Ils ont constaté que les personnes exposées à un bruit élevé (plus de 55 décibels) ont un risque 27% plus élevé de subir un AVC que les personnes exposées à un bruit plus faible (moins de 55 décibels).



Le refroidissement est le meilleur remède contre l'AVC
 L'hypothermie thérapeutique pourrait augmenter de façon significative les taux de survie aux accidents cardio-vasculaires, selon le réseau européen pour la recherche sur l'hypothermie, EuroHYP.

Pour les personnes âgées, le bruit est un véritable fléau. Il provoque des troubles du sommeil, de l'irritabilité, de l'insomnie, de l'hypertension artérielle, de l'augmentation du risque de maladies cardiovasculaires, de l'augmentation du risque de diabète, de l'augmentation du risque de dépression, de l'augmentation du risque de troubles de la mémoire, de l'augmentation du risque de troubles de l'audition, de l'augmentation du risque de troubles de la vision, de l'augmentation du risque de troubles de l'équilibre, de l'augmentation du risque de troubles de la parole, de l'augmentation du risque de troubles de l'appétit, de l'augmentation du risque de troubles de la digestion, de l'augmentation du risque de troubles de la respiration, de l'augmentation du risque de troubles de la circulation sanguine, de l'augmentation du risque de troubles de la température corporelle, de l'augmentation du risque de troubles de la fréquence cardiaque, de l'augmentation du risque de troubles de la fréquence respiratoire, de l'augmentation du risque de troubles de la fréquence de la pression artérielle, de l'augmentation du risque de troubles de la fréquence de la tension artérielle, de l'augmentation du risque de troubles de la fréquence de la glycémie, de l'augmentation du risque de troubles de la fréquence de la cholestérolémie, de l'augmentation du risque de troubles de la fréquence de la triglycéridémie, de l'augmentation du risque de troubles de la fréquence de la protéinémie, de l'augmentation du risque de troubles de la fréquence de la créatininémie, de l'augmentation du risque de troubles de la fréquence de la bilirubinémie, de l'augmentation du risque de troubles de la fréquence de la lactatémie, de l'augmentation du risque de troubles de la fréquence de la lactate déshydrogénase, de l'augmentation du risque de troubles de la fréquence de la créatine phosphokinase, de l'augmentation du risque de troubles de la fréquence de la myoglobine, de l'augmentation du risque de troubles de la fréquence de la troponine, de l'augmentation du risque de troubles de la fréquence de la myosine, de l'augmentation du risque de troubles de la fréquence de la myosine légère chaîne, de l'augmentation du risque de troubles de la fréquence de la myosine lourde chaîne, de l'augmentation du risque de troubles de la fréquence de la myosine B, de l'augmentation du risque de troubles de la fréquence de la myosine C, de l'augmentation du risque de troubles de la fréquence de la myosine D, de l'augmentation du risque de troubles de la fréquence de la myosine E, de l'augmentation du risque de troubles de la fréquence de la myosine F, de l'augmentation du risque de troubles de la fréquence de la myosine G, de l'augmentation du risque de troubles de la fréquence de la myosine H, de l'augmentation du risque de troubles de la fréquence de la myosine I, de l'augmentation du risque de troubles de la fréquence de la myosine J, de l'augmentation du risque de troubles de la fréquence de la myosine K, de l'augmentation du risque de troubles de la fréquence de la myosine L, de l'augmentation du risque de troubles de la fréquence de la myosine M, de l'augmentation du risque de troubles de la fréquence de la myosine N, de l'augmentation du risque de troubles de la fréquence de la myosine O, de l'augmentation du risque de troubles de la fréquence de la myosine P, de l'augmentation du risque de troubles de la fréquence de la myosine Q, de l'augmentation du risque de troubles de la fréquence de la myosine R, de l'augmentation du risque de troubles de la fréquence de la myosine S, de l'augmentation du risque de troubles de la fréquence de la myosine T, de l'augmentation du risque de troubles de la fréquence de la myosine U, de l'augmentation du risque de troubles de la fréquence de la myosine V, de l'augmentation du risque de troubles de la fréquence de la myosine W, de l'augmentation du risque de troubles de la fréquence de la myosine X, de l'augmentation du risque de troubles de la fréquence de la myosine Y, de l'augmentation du risque de troubles de la fréquence de la myosine Z.

Les personnes âgées de plus de 65 ans sont plus susceptibles d'être exposées à un bruit élevé que les personnes plus jeunes. Cela est dû à une variété de facteurs, y compris le fait que les personnes âgées ont tendance à vivre dans des zones plus urbaines et plus bruyantes, et qu'elles ont tendance à passer plus de temps à l'extérieur. De plus, les personnes âgées ont tendance à avoir une audition plus faible, ce qui les rend plus sensibles au bruit.

Obésité / Les personnes en surpoids ont un risque accru de diabète
L'orang-outan livre ses derniers secrets

Les orang-outans sont des animaux très intelligents et curieux. Ils ont une grande capacité d'adaptation et sont capables de vivre dans une grande variété d'environnements. Ils sont également très sociaux et ont une grande capacité d'apprentissage. Les orang-outans sont également très sensibles à la pollution et à la déforestation. Ils ont besoin d'un environnement sûr et sain pour survivre.



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Environnement / De nouvelles technologies aident à lutter contre le réchauffement climatique
Du fond des âges, l'homme jouait déjà sur le climat

Les scientifiques ont découvert que les humains ont commencé à modifier le climat il y a des milliers d'années. Ils ont constaté que les humains ont commencé à brûler du bois et à utiliser des outils en métal, ce qui a entraîné une augmentation des émissions de gaz à effet de serre.

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Source: www.lesoir.be, 2010, 10/10/2010, p. 29

Le bruit augmente le risque d'AVC

27 janv. 2011
 Le Soir (Newspaper – Belgium)
 p.29 Science et Santé
 French

Insert in main story, right side:

Le refroidissement pour mieux lutter contre l'AVC.

L'hypothermie thérapeutique pourrait augmenter de façon significative les taux de survie aux accidents cardio-vasculaires, selon le réseau européen pour la recherche sur l'hypothermie, EuroHYP.
www.lesoir.be/lifestyle/.../le-bruit-augmente-le-risque-d-avc-817936.php

[Le refroidissement, traitement prometteur pour lutter contre ...](#)

lundi 24 janvier 2011, 13:43
 La Meuse (Newspaper – Belgium)
 L'hypothermie thérapeutique ou refroidissement pourrait augmenter de façon significative les taux de survie aux accidents cardio-vasculaires (AVC), a annoncé ...
lameuse.be/actualite/fil_info/2011-01-24/...



[Abendzeitung - Eiskalter Kampf gegen den Schlaganfall](#)
(Newspaper, Germany)

25. Jan. 2011 ... Spektakuläre neue Methode im **Kampf** gegen den Infarkt im Kopf: An der Uni-Klinik Erlangen wird das Gehirn der Patienten in einen Winterschlaf ...

www.abendzeitung.de/nuernberg/lokales/243561

Eiskalter Kampf gegen Schlaganfall

Neue Methode im Kampf gegen den Infarkt im Kopf: An der Uni-Klinik Erlangen wird das Gehirn der Patienten in einen Winterschlaf versetzt. Eine europaweite Studie wurde dort koordiniert

Eiskalter Kampf gegen Schlaganfall



Koordiniert die europaweite Studie: Dr. Rainer Kollmar.

Neue Methode im Kampf gegen den Infarkt im Kopf: An der Uni-Klinik Erlangen wird das Gehirn der Patienten in einen Winterschlaf versetzt. Eine europaweite Studie würde dort koordiniert

ERLANGEN Es klingt wie ein Wunder: Ein Mann erlitt einen Schlaganfall – und konnte schon nach einer Woche geheilt heim. Möglich wurde die medizinische Sensation durch einen relativ einfachen Eingriff: Der Patient wurde gekühlt, seine Körpertemperatur mit eiskalten Infusionen auf 35 Grad runtergefahren.

Nach 24 Stunden waren die schlimmsten Schlaganfallfolgen wie „weggefroren“. Die Methode wird in der neurolo-

gischen Klinik der Uni-Klinik Erlangen angewandt. Deshalb ist sie Mitbegründerin einer Studie, die die Erfolge der so genannten Hypothermie jetzt wissenschaftlich belegen soll.

Alle 90 Sekunden stirbt in Europa ein Mensch an den Folgen eines Schlaganfalls. Allein in der Erlanger Uni-Klinik kommen monatlich rund 100 Menschen mit dieser lebensgefährlichen Akut-Diagnose. Jede Minute zählt, denn bei diesen Patienten hat sich ein

Gefäß im Hirn geschlossen, das dahinter liegende Gebiet wird nicht mehr ausreichend durchblutet. Jeder fünfte Betroffene stirbt daran, jeder zweite bleibt arbeitsunfähig.

Bislang wurden die Patienten meist mit einem Medikament behandelt, das das Blutgerinnsel auflöst, viel mehr konnte man nicht tun. Doch nicht bei jedem wirkt es, jetzt soll Kälte helfen: Durch das medizinisch eingeleitete „Einfrieren“ des Gehirns wird dessen Sauerstoffverbrauch reduziert – und Folgeschäden vorgebeugt. „Die Kühlung ist die einzige Methode, die vor weiteren Schädigungen schützt“, ist Dr. Rainer Kollmar, Leiter

des experimentellen Schlaganfall-Labors, überzeugt.

Und so funktioniert es: Die Körpertemperatur der Patienten wird möglichst schnell von 37 Grad auf 34 oder 35 Grad runtergekühlt – zunächst mit Infusionen, später per Katheder. An diesem hängen Kälteballons, mit denen die Temperatur geregelt werden kann. „Eigentlich würde der Körper versuchen, durch wärme-erzeugendes Zittern seine Temperatur beibehalten“, erklärt Kollmar. Deshalb müssten dagegen Medikamenten gegeben werden. Nach 24 Stunden wird die Temperatur ganz langsam wieder erhöht, Über Erfolg und Folgen der

Behandlung werden über 80 Kliniken in Europa Buch führen. 1500 Patienten – Förderung durch die EU vorausgesetzt – werden behandelt: die eine Hälfte auf herkömmliche Weise, die andere zusätzlich mit Kälte. Koordiniert wird die Studie in Erlangen.

Bisher sind die Nebenwirkungen noch nicht klar. Möglich sind Lungenentzündungen – doch die lassen sich in aller Regel gut behandeln.

Andrea Uhrig

GREECE

Kathimerini – Daily Newspaper

[kathimerini.gr | Η τύξη ητος εγκευάλος με τεσνητή ϑποθεπμιά ...](#)

- [Translate](#)

Η τύξη ητος εγκευάλος με τεσνητή ϑποθεπμιά μποπεί να σώσει ζυέρ έπειτα από ... για την Υποθεπμιά στα Εγκευαλικά (**EuroHYP**-www.eurohyp.org), με ϑςντονιστή τον καθηγητή ...

portal.kathimerini.gr/4dcgi/.../01/2011_374766 - 59k - [Cached](#)

ITALIAN

Ipotermia anti-ictus: un'ibernazione artificiale per il cervello

02.02.2011

Il Sole 24 Ore – (Newspaper- Italy)

–'Ipotermia ci permetterà di migliorare le condizione di oltre 4 . pazienti ogni anno", ha detto **Malcolm Macleod**, neuroscienziato del Centre for ...

<http://salute24.ilsole24ore.com/articles/12578-ipotermia-anti-ictus-un-ibernazione-artificiale-per-il-cervello>

[Benessere - LASTAMPA.it](#) Published in newspaper

25 gen 2011

Raffreddare il cervello dopo un ictus per limitare i danni, prevenire una morte ... questo progetto, promosso dal consorzio **EuroHYP** e atto a promuovere questa ... Secondo il dottor **Malcolm Macleod**, direttore di Neuroscienze ...

www3.lastampa.it/benessere/sezioni/medicina/articolo/lastp/385786/

[Ictus, le nuove cure puntano sull'ipotermia del paziente ...](#)

ON THE WEBSITE

In futuro il recupero dei pazienti affetti da ictus ischemico potrebbe passare attraverso ... A promuovere la ricerca è il consorzio **EuroHYP**, che a Bruxelles ha organizzato ...

[lastampa.it/_web/CMSTP/tmplrubriche/giornalisti/... - 119k - Cached](#)

[Ictus, una speranza dall'ipotermia - Corriere della Sera](#)

Corriere della Sera - (Newspaper, Italy)

24 gen 2011... per un **ictus** - spiega **Malcolm Macleod** -, cioè uno ogni 90 secondi, ... UNDICI OSPEDALI - Il **raffreddamento** del corpo avverrebbe con ...

www.corriere.it/.../ictus-ipotermia_ed7fe96e-27d6-11e0-9fb9-00144f02aabc.shtml

[Ictus, Verona fra i centri pilota di uno studio svolto in 21 Paesi](#)

L'Arena - (Newspaper, Italy)

Jan 24, 2011

Nel progetto sono coinvolti 80 ospedali in 21 Paesi, inclusa l'Italia «L'ictus», spiega **Malcolm Macleod**, dell'Università di Edinburgo e a capo di uno studio ...

ENGLISH



(EU) EU/HEALTH: Commission asked to support hypothermia clinical test on stroke victims

393 words

26 January 2011

Agence Europe

AGEU

English

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Brussels, 25/01/2011 (Agence Europe) - A group of scientist from the EuroHYP network met in Brussels on 24 January to discuss the latest scientific evidence on strokes which suggests that cooling patients might improve survival rates and also reduce the risk of long-term disability. The scientists are now calling for a major international, multicentre phase III clinical trial that has the potential to bring tangible benefits to patients and society within a short timeframe, but which will require EU funding to help get it off the ground. Their conclusions are contained in a report, The use of therapeutic cooling to improve survival rates - proposal for a trial, issued at the conference in Brussels.

"Stroke is a major killer," said Dr **Malcolm MacLeod**, Reader and Head of Experimental Neuroscience at the Centre for Clinical Brain Sciences at the University of Edinburgh and Chief Investigator of HAIST, a pilot study of therapeutic hypothermia in acute ischemic stroke. Every day, 1,000 Europeans die from stroke - one person every 90 seconds. About twice that number survive but are disabled. There are huge differences, however, between the countries of Eastern and Central Europe (the highest levels of death from stroke are in Bulgaria, Romania, the Baltic States, Hungary and Slovenia) and those of Western Europe where mortality levels are up to five times lower (with France and Netherlands having the best survival rates).

Therapeutic hypothermia, or cooling, is already used effectively in reducing ischemic brain injury following cardiac arrest and birth injuries. It acts by inducing a kind of hibernation in the brain, reducing the need for oxygen and preventing further damage. The technique is being watched attentively by the European Space Agency because of its possible applications for the future of long-distance space travel.

EuroHYP, in collaboration with the clinical trial units of universities, including Copenhagen/Malmø, Edinburgh, Glasgow, Utrecht, Erlangen and Helsinki, has become a driving force behind an international consortium that is bringing together the expertise and synergies essential for the large-scale trial. Project promoters expect the number of participating hospitals to be around 80 in total, from 21 European countries: Germany, Italy, UK, France, Spain, Poland, Denmark, Sweden, Finland, Netherlands, Croatia, Belgium, Estonia, Greece, Hungary, Ireland, Lithuania, Luxembourg, Norway, Portugal and Turkey.

(O.J./transl.rt)

MEDICS HAIL NEW STROKE TREATMENT

By Cordelia O'Neill, Press Association Scotland

317 words

24 January 2011

12:46

Press Association Newswire - Scotland

PARSCO

English

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Scientists today called for funding for a Europe-wide trial of a new way of treating stroke victims. A consortium of medics said inducing hypothermia in people suffering from strokes can prevent death or disability.

The treatment could help about 40,000 stroke victims a year, according to the researchers. Cooling the brain is already used as a way of reducing brain injuries following cardiac arrest and birth injuries.

It acts by stimulating a kind of hibernation in the brain, reducing the need for oxygen and preventing further damage.

It also gives doctors longer to treat blocked or burst blood vessels.

The research is being led by Dr **Malcolm Macleod**, head of experimental neuroscience at the Centre for Clinical Brain Sciences at the University of Edinburgh.

He said: "Every day 1,000 Europeans die from stroke - that's one every 90 seconds - and about twice that number survive but are disabled." "Our estimates are that hypothermia might improve the outcome for more than 40,000 Europeans every year."

The European research project, which would also include hospitals in the UK, is being led by Professor Dr Stefan Schwab, chair of the neurology department at the Friedrich-Alexander-University Erlangen- Nurnberg in Germany.

Dr Schwab said: "We know the financial situation is difficult but based on current evidence, the personal and economic benefits of avoiding stroke-related death and disability means that the trial would pay for itself in less than a year.

"As the population ages, this trial will become even more important, and a benefit of cooling demonstrated in the proposed study will set the stage for future studies with hypothermia, extending the eligibility of the treatment to even greater number of patients."

Researchers are hopeful that 1,500 people in 80 hospitals from 21 countries will take part in the proposed study.

http://www.google.com/hostednews/ukpress/article/ALeqM5hfgLEu8Hq6k5_JtCB4nUjOvn-19A?docId=N0329141295873071379A

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Lower Brain Temperature Could Help Stroke Patients Recover Quickly

Distributed by Contify.com

226 words

24 January 2011

India Pharma News

ATPHAM

English

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New Delhi, Jan. 24: A team of doctors at the University of Edinburgh in Scotland have said that if the brain of a patient who has suffered a stroke is artificially cooled, there is a high likelihood that patient's condition will improve quickly.

Similarly, other scientists from Europe also believe that inducing hypothermia in some patients could improve survival chances and reduce brain damage.

Studies that have been conducted so far have involved the patients' bodies being cooled by administering ice-cold intravenous drips and cooling pads on skin. Body temperatures have thus been brought down to around 35C, which is two degrees below the normal level in humans.

By doing so, the body goes into a state of artificial hibernation enabling the brain to survive even with less amounts of blood supply, and provides doctors with enough time to treat blood vessels that may have blocked or burst.

Dr **Malcolm Macleod**, head of experimental neuroscience at the Centre for Clinical Brain Sciences of Edinburgh University, said, "Our estimates are that hypothermia might improve the outcome for more than 40,000 Europeans every year."

European scientists have presently convened in Brussels for discussing the possibility of a trial of the technique across Europe.

Images, graphs or charts, if any, have been removed



Brain cooling could aid stroke recovery

417 words

24 January 2011

Kuwait News Agency (Kuna)

KUWNA

English

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Cooling the brain of patients who have suffered a stroke could dramatically improve their recovery, a group of Scottish doctors has said. They are joining others from across Europe who believe that inducing hypothermia in some patients can boost survival rates and reduce brain damage, the BBC revealed Monday.

Similar techniques have already been tried successfully on heart attack patients and those with birth injuries.

Scientists are in Brussels today to discuss a Europe-wide trial of the technique. To date, studies have involved the body of patients being cooled using ice cold intravenous drips and cooling pads applied to the skin. This lowers the body temperature to about 35C, just a couple of degrees below its normal level.

The technique puts the body into a state of artificial hibernation, where the brain can survive with less blood supply, giving doctors vital time to treat blocked or burst blood vessels. Dr **Malcolm Macleod**, head of experimental neuroscience at the Centre for Clinical Brain Sciences at the University of Edinburgh, said "Every day 1,000 Europeans die from stroke - that's one every 90 seconds - and about twice that number survive but are disabled. "Our estimates are that hypothermia might improve the outcome for more than 40,000 Europeans every year."

Dr Macleod and his Scottish team are joining a consortium of clinicians from across Europe to seek funding for a trial involving 1,500 stroke patients. Speaking for European Stroke Research Network for Hypothermia (EuroHYP), a group of European researchers from more than 20 countries, Dr Macleod added: "The preliminary evidence is all there - now it is time for Europe to act."

The European research project, which will also include hospitals in Germany, Italy and France, is being led by Professor Dr Stefan Schwab. Dr Schwab said: "We know the financial situation is difficult, but based on current evidence, the personal and economic benefits of avoiding stroke related death and disability means that the trial would pay for itself in less than a year. "As the population ages, this trial will become even more important, and a benefit of cooling demonstrated in the proposed study will set the stage for future studies with hypothermia, extending the eligibility of the treatment to even greater number of patients."

The progress of the clinicians is also reportedly being watched by those from the European Space Agency because of its possible application for the future of long distance space travel.



Cooling stroke patients' brains could aid recovery

212 words

24 January 2011

Asian News International

HNASNI

English

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London, Jan. 24 -- A group of Scottish doctors have suggested that cooling the brain of patients who have suffered a stroke could dramatically improve their recovery. They are joining others from across Europe who believe that inducing hypothermia in some patients can boost survival rates and reduce brain damage.

To date, studies have involved the body of patients being cooled using ice cold intravenous drips and cooling pads applied to the skin. This lowers the body temperature to about 35C, just a couple of degrees below its normal level.

The technique puts the body into a state of artificial hibernation, where the brain can survive with less blood supply, giving doctors vital time to treat blocked or burst blood vessels. "Our estimates are that hypothermia might improve the outcome for more than 40,000 Europeans every year," the BBC quoted Dr **Malcolm Macleod**, head of experimental neuroscience at the Centre for Clinical Brain Sciences at the University of Edinburgh, as saying.

Scientists are in Brussels to discuss a Europe-wide trial of the technique.

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FRENCH



(EU) UE/SANTÉ: la Commission invitée à soutenir un essai clinique sur l'utilisation de l'hypothermie thérapeutique dans le traitement de l'AVC

499 words

26 January 2011

[Agence Europe](#)

AEFR

French

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Bruxelles, 25/01/2011 (Agence Europe) - Un groupe de scientifiques appartenant au réseau EuroHYP s'est réuni, lundi 24 janvier à Bruxelles, pour examiner les dernières données scientifiques relatif à l'accident vasculaire cérébral (AVC). Ces données indiquent que l'utilisation d'une technique de refroidissement permet de réduire les dommages découlant de l'AVC. Les scientifiques ont proposé de mettre en place un grand essai clinique international, multicentrique, de phase 3 qui pourrait, à court terme, vérifier rapidement à grande échelle la pertinence de cette technique. Pour mettre en œuvre ce projet, les scientifiques demandent le soutien et le financement de l'UE.

Leurs conclusions sont contenues dans un rapport intitulé «L'utilisation du refroidissement thérapeutiques pour améliorer les taux de survie - proposition d'étude», publié à cette occasion.

« L'AVC est une cause majeure de mortalité », a rappelé le docteur Malcolm MacLeod, chef du département de Neurosciences Expérimentale du Centre pour la Science Clinique du Cerveau de l'Université d'Edimbourg, et coordonateur de l'étude HAIST, qui évalue l'**hypothermie** thérapeutique en phase aiguë de l'AVC ischémique. Chaque jour, 1 000 Européens meurent d'AVC, c'est-à-dire un Européen toutes les 90 secondes. Environ le double de ce nombre survivent, mais deviennent handicapés.

De fortes disparités existent cependant entre les pays d'Europe centrale et orientale (les taux de mortalité à la suite d'un AVC les plus élevés se rencontrent en Bulgarie, Roumanie, dans les pays baltes, en Hongrie et en Slovaquie) et les pays d'Europe occidentale (France et Pays-Bas en tête) où les taux de mortalité sont plus de cinq fois inférieur à ceux de l'Europe de l'Est.

L'**hypothermie** thérapeutique (ou refroidissement) est déjà utilisée de manière efficace pour réduire les lésions cérébrales ischémiques à la suite d'un arrêt cardiaque et pour les traumatismes à la naissance. Elle agit en induisant une sorte d'hibernation du cerveau, réduisant ainsi le besoin en oxygène et prévenant des dommages supplémentaires. La technique attire également l'intérêt de l'Agence Spatiale Européenne en raison de ses applications possibles pour l'avenir des voyages de longue distance dans l'espace.

EuroHYP, en collaboration avec les unités de recherche clinique de plusieurs universités, dont Copenhague / Malmö, Edimbourg, Glasgow, Utrecht, Erlangen et Helsinki, est devenu la force motrice derrière un consortium international qui rassemble l'expertise et les synergies essentielles à une étude à grande échelle. Les promoteurs de projet estiment que le nombre d'hôpitaux participants devrait être d'environ 80 au total, répartis dans 21 pays d'Europe: l'Allemagne, l'Italie, le Royaume-Uni, la France, l'Espagne, la Pologne, le Danemark, la Suède, la Finlande, les Pays-Bas, la Croatie, la Belgique, l'Estonie, la Grèce, la Hongrie, l'Irlande, la Lituanie, le Luxembourg, la Norvège, le Portugal et la Turquie. (O.J.)

Le refroidissement, traitement prometteur pour lutter contre l'AVC

Lundi 24 Janvier 2011 |

(Belga) L'hypothermie thérapeutique ou refroidissement pourrait augmenter de façon significative les taux de survie aux accidents cardio-vasculaires (AVC), a annoncé lundi l'EuroHYP, le réseau européen pour la recherche sur l'hypothermie, qui rassemble les principaux experts universitaires d'Europe, des groupes de patients et des représentants d'industries européennes.

De nouvelles données scientifiques ont déterminé que "le refroidissement de quelques degrés des patients souffrant d'un AVC peut, non seulement considérablement améliorer les taux de survie, mais aussi réduire le risque de handicap physique acquis".

L'hypothermie thérapeutique est une "sorte d'hibernation du cerveau qui permet de ralentir le besoin d'oxygène et aide à prévenir d'autres dégâts", définissent les spécialistes.

L'objectif est d'abaisser la température du corps humain à 35 degrés. "Nous estimons que l'hypothermie peut améliorer l'issue pour plus de 40.000 Européens tous les ans", précise le docteur Malcolm MacLeod, chef de département de neurosciences expérimentales du Centre pour la science clinique du cerveau de l'Université d'Edimbourg.

L'AVC, intervenant lorsque le cerveau n'est plus approvisionné en oxygène, est une cause majeure de mortalité dans le monde, ont rappelé les spécialistes: chaque jour, 1.000 Européens meurent d'un AVC, soit toutes les 90 secondes et 2.000 survivent mais deviennent handicapés.

Les spécialistes, présents à Bruxelles pour présenter leurs avancées, attendent de l'Europe qu'elle fournisse le financement nécessaire pour mettre en place "un grand essai clinique international et multicentrique qui pourrait apporter des avantages concrets aux patients".

Jusqu'à présent, l'AVC est traité à l'aspirine, par éclatement du caillot de sang ou par chirurgie du cerveau. (MDP)



Santé & forme

Refroidir le corps pour augmenter les chances de survie après un AVC

180 words

25 January 2011

13:48

[relaxnews International](#)

RELINF

French

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(Relaxnews) - Un étude internationale va être très prochainement lancée sur le recours au refroidissement thérapeutique, consistant en la baisse de quelques degrés du corps d'une personne, pour les victimes d'accident vasculaire cérébral (AVC) ischémique. Un rapport intitulé "L'utilisation du refroidissement thérapeutique pour améliorer les taux de survie - proposition d'étude" a été présenté lundi 24 janvier lors d'une conférence regroupant de nombreux scientifiques internationaux, à Bruxelles.

80 hôpitaux en Europe devraient participer à cet essai clinique international, de phase 3, auprès de 1.500 patients. Selon les chercheurs, ce projet devrait "à court terme, apporter des avantages concrets aux patients et à la société".

L'**hypothermie** "en induisant une sorte d'hibernation du cerveau" réduit "ainsi le besoin en oxygène et prévenant des dommages supplémentaires". Concrètement, cela pourrait augmenter de façon significative les chances de survie d'une personne atteinte d'un AVC et diminuerait par ailleurs les risques de handicap physique souvent constaté par la suite.

YAKOBCHUK VASYL

news-590595



SANITA': ICTUS, NUOVE CURE PUNTANO SU IPOTERMIA PAZIENTE.

322 words

24 January 2011

09:56

ANSA - Health Service

ANSAHE

Italian

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RICERCATORI 21 PAESI A BRUXELLES PER FONDI SPERIMENTAZIONE

(ANSA) - BRUXELLES, 24 GEN - In futuro il recupero dei pazienti affetti da ictus ischemico potrebbe

passare attraverso l'ipotermia "terapeutica", cioe' dal raffreddamento del corpo, con diverse modalita',

dalla copertina refrigerante all'iniezione di infusione salina a 4 gradi.

A promuovere la ricerca e' il consorzio EuroHYP, che a Bruxelles ha organizzato una riunione con esperti a livello europeo.

L'obiettivo finale e' quello di ottenere un finanziamento di 12 milioni di euro dalla Commissione Ue e altri 4 milioni da universita' ed enti privati, per partire con una sperimentazione su 1.500 pazienti in tutta Europa, per cinque anni, a partire dal 2012.

Nel progetto sono coinvolti 80 ospedali in 21 paesi, inclusa l'Italia "L'ictus - spiega **Malcolm Macleod**, dell'Universita' di Edinburgo e a capo di uno studio pilota - e' un potente killer: ogni giorno almeno mille europei muoiono di infarto, circa uno ogni 90 secondi, e circa il doppio sopravvive ma rimane disabile. Secondo noi l'ipotermia potrebbe migliorare il recupero di oltre 40mila europei ogni anno".

"I centri italiani interessati a partecipare al protocollo - afferma Francesco Orzi, direttore di Neurologia all'Ospedale Sant'Andrea - sono undici, da Roma a Firenze, Milano, Lecco, Verona e Treviso". "In citta' come Roma - aggiunge Orzi - ci sono circa 20 casi al giorno e in Italia sono circa 190mila ogni anno. Circa il 20-30% si ristabilisce completamente in un mese, ma circa il 20-25% muore nel giro di un anno, specie nel primo mese. Gli altri non recuperano completamente, soffrono di disabilita' motorie o cognitive che rimangono".

L'idea e' quella di intervenire portando il paziente ad una temperatura di 35 gradi nelle prime sei ore dopo l'ictus ischemico. "Questa terapia consentirebbe - afferma Orzi - di ridurre la disabilita' associata all'ictus. I dati sperimentali sono fortemente incoraggianti, ma manca una validazione scientifica". (ANSA).



MEDICINA:IBERNANDO CERVELLO, MIGLIORA RECUPERO DOPO ICTUS.

303 words

24 January 2011

12:24

ANSA - Health Service

ANSAHE

Italian

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POOL DI MEDICI VUOLE CONDURRE ORA STUDIO IN TUTTA EUROPA

(ANSA) - ROMA, 24 GEN - Congelare, o meglio raffreddare, il cervello dei pazienti con ictus, puo' migliorare sensibilmente il loro recupero, ridurre i danni cerebrali e aumentare la sopravvivenza. Ne' e' convinto un gruppo di medici scozzesi, che sta discutendo ora a Bruxelles con altri colleghi sul come realizzare un trial europeo in cui sperimentare la tecnica, come spiega oggi la Bbc.

Tecniche simili sono gia' state sperimentate con successo sui pazienti con attacchi di cuore e con lesioni alla nascita. Fino ad oggi gli studi hanno coinvolto il corpo di pazienti che sono stati raffreddati usando delle gocce intravenose di ghiaccio e con dei tamponi freddi sulla pelle, che hanno abbassato la temperatura a 35°, giusto un paio di gradi sotto quella normale.

La tecnica dei ricercatori scozzesi mette il corpo in uno stato di ibernazione artificiale, in cui il cervello puo' sopravvivere con minor apporto di sangue, dando ai medici il tempo vitale di curare i vasi sanguigni bloccati o quelli che hanno ceduto.

"Ogni giorno 1000 cittadini europei muoiono per un ictus - spiega **Malcolm Macleod**, uno dei ricercatori - cioe' uno ogni 90 secondi, e circa il doppio sopravvive con gravi disabilita'. Con l'ipotermia si possono migliorare i risultati per almeno 40mila cittadini europei l'anno". Macleod e il suo team si sono ora uniti ad un consorzio di medici europei per cercare fondi per un trial su 1500 pazienti con ictus, che dovrebbe coinvolgere anche gli ospedali di Germania, Italia e Francia. Lo studio interessa anche all'Agenzia spaziale europea, per sue possibili applicazioni future nei viaggi spaziali di lunga distanza. A quanto pare quello che si vedeva in 'Star Trek' e '2001 Odissea nello spazio' non pare essere piu' tanto lontano. (ANSA).

Uno studio di ricercatori dell'Università di Edimburgo

ICTUS: CONGELARE IL CERVELLO FACILITA GUARIGIONE

salute.agi.it/primapagina/notizie/2011.01.24 – 13:20

Londra - Mettere il cervello di un paziente che ha subito un ictus nel ghiaccio potrebbe aumentare significativamente le possibilità di guarigione. A dimostrare gli effetti di questa 'ibernazione' e' stato un gruppo di ricercatori dell'Università di Edimburgo in uno studio riportato dalla Bbc. Per arrivare a queste conclusioni i ricercatori hanno unito i medici provenienti da tutta Europa che credono che l'ipotermia possa ridurre i danni al cervello in migliaia di pazienti colpiti da ictus. La tecnica prevede di abbassare la temperatura corporea di una persona a 35 gradi centigradi iniettando per via endovenosa gocce ghiacciate e usando tamponi raffreddanti. Si stima che in tutta Europa muoiano ogni anno per ictus mille persone, mentre circa 2mila sopravvivono riportando gravi disabilità. "Le nostre stime - ha detto Malcolm Macleod, che ha coordinato lo studio - dicono che l'ipotermia potrebbe migliorare la guarigione di oltre 40mila cittadini europei ogni anno". L'idea di 'congelare' il cervello per favorire il recupero e' tutt'altro che nuova. Un chirurgo dell'esercito di Napoleone ha scoperto questa tecnica notando che i soldati feriti messi vicini a un fuoco morivano mentre quelli messi vicino alla neve sopravvivevano. Poi nel 2002, due studi, pubblicati sulla rivista New England Journal Of Medicine, hanno affermato l'importanza del raffreddamento del corpo dopo un attacco di cuore. I ricercatori hanno trovato che i pazienti i cui corpi sono stati raffreddati avevano migliori tassi di sopravvivenza e che il loro cervello funzionava meglio nei mesi dopo l'arresto. I risultati sono stati così convincenti che l'American Heart Association raccomanda l'attuazione di una lieve ipotermia (temperature ridotte) nei comatosi sopravvissuti a un arresto cardiaco. Ora gli scienziati provenienti da più di 20 paesi hanno chiesto a Bruxelles il finanziamento di una sperimentazione a livello europeo di questa tecnica.

Ultima ora

25-01-11

SALUTE: ICTUS, RAFFREDDARE CERVELLO POTREBBE AIUTARE RECUPERO

(ASCA) - Roma, 25 gen - Ridurre i danni dell'ictus con il freddo. E' la prospettiva contenuta in un progetto di ricerca europeo che include 11 ospedali italiani e team di lavoro in Germania, Francia e Regno Unito. I dettagli sono stati rivelati a Bruxelles dal gruppo di lavoro capofila dell'Universita' di Edimburgo. La tecnica messa a punto, gia' utilizzata nei pazienti con problemi cardiaci, abbassa la temperatura corporea a 35 gradi, appena un paio sotto quella normale, applicando delle piastre fredde sulla pelle e iniettando liquidi per via endovenosa. L'obiettivo e' un'ibernazione artificiale che blocca l'afflusso di sangue al cervello permettendo ai chirurghi di intervenire sui vasi sanguigni chiusi o danneggiati. "L'ipotermia ci permettera' di migliorare le condizione di oltre 40.000 pazienti ogni anno", ha detto Malcolm Macleod, neuroscienziato del Centre for Clinical Brain Sciences dell'Universita' di Edimburgo.

Ogni giorno circa 1.000 europei muoiono colpiti dall'infarto cerebrale, altri 2.000 sopravvivono, ma con lesioni invalidanti.

noe/sam/lv

SALUTE OGGI

25-01-11

SALUTE: ESPERTO, L'IPOTERMIA ANTI-ICTUS POTREBBE SALVARE 40.000 VITA OGNI ANNO



Ridurre i danni dell'ictus con il freddo. È la prospettiva contenuta in un progetto di ricerca europeo che include 11 ospedali italiani e team di lavoro in Germania, Francia e Regno Unito. I dettagli sono stati rivelati a Bruxelles dal gruppo di lavoro capofila dell'Università di Edimburgo. La tecnica messa a punto, già utilizzata nei pazienti con problemi cardiaci, abbassa la temperatura corporea a 35 gradi, appena un paio sotto quella normale, applicando delle piastre fredde sulla pelle e iniettando liquidi per via endovenosa. L'obiettivo è un'ibernazione artificiale che blocca l'afflusso di sangue al cervello permettendo ai chirurghi di intervenire sui vasi sanguigni chiusi o danneggiati. «L'ipotermia ci permetterà di migliorare le condizioni di oltre 40.000 pazienti ogni anno», ha detto Malcolm Macleod, neuroscienziato del Centre for Clinical Brain Sciences dell'Università di Edimburgo.

Ogni giorno circa 3.000 europei muoiono colpiti dall'infarto cerebrale, altri 2.000 sopravvivono, ma con lesioni invalidanti.

I ricercatori sono alla ricerca di un finanziamento che permetta di validare i risultati scientifici dell'ipotermia anti-ictus su 100 pazienti. «Sappiamo che la situazione finanziaria è difficile - ha affermato Macleod - ma le prove preliminari ci dicono che in termini di vantaggi economici il protocollo si ripagherebbe in un solo anno». (ASCA).

R.Unido.- El frío puede ayudar a la recuperación de pacientes con derrame cerebral, según estudio

467 words

25 January 2011

16:23

[Europa Press - Servicio de Noticias Salud](#)

EPSNS

Spanish

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MADRID, 25 (EUROPA PRESS)

Investigadores de la Universidad de Edimburgo, en Escocia, aseguran que los pacientes que han sufrido un derrame cerebral pueden acelerar su recuperación gracias a una novedosa técnica mediante la que se les provoca una **hipotermia**.

Actualmente hay técnicas similares que se utilizan con éxito para tratar a pacientes que han padecido un infarto. En esta ocasión, el procedimiento consiste en enfriar el cuerpo del paciente utilizando una terapia intravenosa con fluidos fríos, reduciendo la temperatura corporal a cerca de 35 grados, dos menos que su nivel normal.

De este modo, el organismo entra en un estado de hibernación artificial en el cual el cerebro puede sobrevivir con menos abastecimiento de oxígeno, lo que ofrece a los médicos un tiempo vital para tratar los vasos sanguíneos bloqueados o rotos.

Según asegura el director de este hallazgo, el profesor Malcolm Macleod, en declaraciones a la BBC recogidas por Europa Press, con esta técnica se podrían mejorar tanto las tasas de supervivencia como las lesiones cerebrales que causan este tipo de dolencias.

La Organización Mundial de la Salud (OMS) estima que unos 5,5 millones de personas mueren a causa de un derrame cerebral cada año en el mundo, un trastorno para el que el único tratamiento consiste en la rehabilitación física.

De hecho, quienes logran sobrevivir suelen presentar algún tipo de discapacidad de moderada a grave, como pérdida de visión o habla, parálisis y confusión, sin que exista ninguna terapia farmacológica que favorezca su recuperación neurológica.

Por ello, y con el objetivo de comprobar la eficacia de esta técnica, los investigadores están tratando de buscar financiación para llevar a cabo un ensayo clínico en diferentes países de Europa, ya que después de obtener "las primeras evidencias", según reconoce Macleod, es "el momento de que Europa comience a actuar".

En este estudio también van a colaborar hospitales en Alemania, Italia, y Francia, y será dirigido por el profesor Stefan Schwab.

"A medida que la gente envejece y vive más, este ensayo será cada vez más importante y los beneficios del enfriamiento que serán demostrados en el estudio abrirán el camino para

futuras investigaciones sobre **hipotermia** y ampliarán la accesibilidad del tratamiento a un número cada vez mayor de pacientes", señala el científico.

De hecho, en Estados Unidos ya se está llevando a cabo un estudio para conocer los beneficios de la **hipotermia** en pacientes con derrame cerebral.

La investigación de tres años y medio, que está siendo coordinada por científicos de la Facultad de Medicina de la Universidad de California en San Diego, el Centro de Ciencias de la Salud de la Universidad de Texas, y el Centro Médico Cedars-Sinai de Los Ángeles, e incluirá a 400 pacientes.

Europa Press es la agencia de noticias privada líder en España, fundada en 1957.

WEB HEADLINES

ENGLISH

BBC

BBC News/Radio Today Programme

07.50 CET

Interview with Dr Malcolm Macleod

Repeated during the morning news programme – on BBC website

BBC News/ Radio Today Programme – on BBC website

Interview with patient Hubert Hermann

09.40 CET

http://news.bbc.co.uk/today/hi/today/newsid_9371000/9371555.stm

0844 GMT

Recent research from doctors in Scotland have found out putting people into artificial hibernation immediately after a stroke could dramatically improve their prospects of recovery. Hubert Hermann, is one of the few patients who received the treatment after a stroke and outlines the benefits he has found.

[BBC News - Brain cooling could aid stroke recovery](#)

BBC News/Scotland TV/Radio/Website

Interview with Dr Malcolm Macleod and footage from Clinic

Report widely broadcast on regional outlets and story on regional and national website

**** 'Cold brain' aids stroke recovery ****

Scientists in Scotland say cooling the brain of patients who suffer a stroke could dramatically improve their recovery. Speaking for European Stroke Research Network for Hypothermia (**EuroHYP**), a group of European researchers from more than 20 countries, Dr Macleod ...

<http://www.bbc.co.uk/news/uk-scotland-12261728>

Scots lead cash bid in radical stroke therapy

Scotsman - [Lyndsay Moss](#) - (Newspaper, UK)

an ,

Scottish experts are hoping to lead efforts to improve the survival of stroke patients by inducing hypothermia. Studies have suggested that ...

<http://www.scotsman.com/news/Scots-lead-cash-bid-in.6699883.jp>

EU urged to back pioneering new stroke research

The Parliament magazine

24/01/2011 web

07/02/2011 print

<http://www.theparliament.com/policy-focus/health/health-article/newsarticle/eu-urged-to-back-pioneering-new-stroke-research/>

['Cold brain' aids stroke recovery - Science and nature - News ...](#)

Speaking for European Stroke Research Network for Hypothermia (**EuroHYP**), a group of European researchers from more than 20 countries, Dr Macleod ...

www.globenews24.com/EN/news,cold-brain-aids-stroke-recovery3

[QNA | Culture | Brain Cooling Could Aid Stroke Recovery](#)

Speaking for European Stroke Research Network for Hypothermia (**EuroHYP**), a group of European researchers from more than 20 countries, Dr Macleod ...

qnaol.net/QNAEn/News_bulletin/Culture/Pages/...

[Cooling the Brain of Stroke Victims Can Boost Recovery](#)

MedIndia

by Savitha.C.Muppala on January 24, 2011 at 5:42 PM A team of Scottish Doctors have said that cooling the brain of stroke victims can boost recovery and ...



<http://www.medindia.net/news/Cooling-the-Brain-of-Stroke-Victims-Can-Boost-Recovery--79869-1.htm>

[Strokes to be Survived by Hypothermia](#)

TopNews United States

In a breakthrough research by Scottish scientists, it has been found that stimulating hypothermia can actually help the patients who have suffered stroke. ...



<http://topnews.us/content/233188-strokes-be-survived-hypothermia>

STV.TV

Today Dr **Malcolm Macleod**, head of experimental neuroscience at the University of Edinburgh, will make an appeal for the trial to be launched, ...

Research found that inducing hypothermia in people suffering from strokes can prevent death or disability.

24 January 2011 13:58 GMT

[http://news.stv.tv/scotland/222920-call-for-funding-so-edinburgh-stroke-research-can-be-trialled/Edinburgh stroke research funding call for new trial](http://news.stv.tv/scotland/222920-call-for-funding-so-edinburgh-stroke-research-can-be-trialled/Edinburgh%20stroke%20research%20funding%20call%20for%20new%20trial)

[Inducing hypothermia in stroke victims could dramatically ...](#)

EuroHYP, in collaboration with the clinical trial units of universities, including Copenhagen/Malmø, ... The project will be led overall by **EuroHYP** as a central coordinating hub. ...

[www.eusi-stroke.com/pdf/EuroHYP_Press Release_English.pdf](http://www.eusi-stroke.com/pdf/EuroHYP_Press%20Release_English.pdf)

[ESO- the European Stroke Organisation](#)

Now available: AGENDA Press Conference **EuroHYP**. PRESS CONFERENCE: **EuroHYP** presents new ground breaking research on treatment of stroke and a ...

www.eso-stroke.org

[Experts call for stroke trial funds](#)

Stroke charities aggregator

[The Press Association](#) 24 jan. 2011

Scientists have called for funding for a Europe-wide trial of a new way of treating **stroke** victims. A consortium of medics including experts from the...

<http://strokecharities.org/StrokeNews.aspx>

['Cooling brain' could aid stroke recovery](#)

Help My Mobility - [Pat Prince](#) 24 Jan. 2011

The number of people who rely on products such as mobility scooters due to a stroke may be reduced by a new treatment, it has been suggested. ...

[http://www.help-my-](http://www.help-my-mobility.co.uk/newsitem.php?Category=Mobility%20Scooter%20News&Heading='Cooling%20brain'%20could%20aid%20stroke%20recovery&ArticleID=800362837)

[mobility.co.uk/newsitem.php?Category=Mobility%20Scooter%20News&Heading='Cooling%20brain'%20could%20aid%20stroke%20recovery&ArticleID=800362837](http://www.help-my-mobility.co.uk/newsitem.php?Category=Mobility%20Scooter%20News&Heading='Cooling%20brain'%20could%20aid%20stroke%20recovery&ArticleID=800362837)

[Cooling brain 'could prevent brain injury in stroke patients'](#)

Serious Injury Law - 24 Jan. 2011

Lowering the body temperature could help to prevent brain injury in stroke patients, according to new research. Scientists from the University of Edinburgh ...

<http://www.seriousinjurylaw.co.uk/news/Brain-Injury-News/article/800361912/Cooling-brain-could-prevent-brain-injury-in-stroke-patients.php>



[Cooling brain 'improves outlook for stroke patients'](#)

Mediplacements - [Angela Newbury](#) - 24 Jan. 2011

Researchers have found that cooling the body temperature of stroke patients lessens the chance of resultant brain injury. Scientists from the University of ...

http://www.mediplacements.com/article-800360876-cooling_brain_improves.html

[Cooling therapy can help stroke victims](#)

ABC7Chicago.com 24 jan. 2011

January 24, 2011 (CHICAGO) (WLS) -- Chilling out the brain may help dramatically improve the recovery of stroke victims. Cooling therapy has been shown to ...

<http://abclocal.go.com/wls/story?section=news/health&id=7916434>

[Cooling Brains Hibernation Stroke Patients](#)

Post Chronicle - [Mitch Marconi](#) 24 jan. 2011

Could cooling off after a stroke help you stay alive? Scientists are literally inducing hypothermia to help stroke victims survive and ...

<http://www.postchronicle.com/cgi-bin/artman/exec/view.cgi?archive=241&num=345281>

[Cooling the brain 'aids stroke recovery'](#)

Barchester Healthcare - 25 jan. 2011

Lowering body temperature to cool down the brain lessens the chance of brain injury resulting from a stroke, according to scientists. ...

<http://www.barchester.com/Healthcare-News/Cooling-the-brain-'aids-stroke-recovery'/376/4052>

[Cooling Brains and Hibernation : Stroke Patients May Recover Faster With New ...](#)

Gather.com - [Angela Smith](#) - 25 jan. 2011

Cooling the brain and hibernation may help aid stroke patients according to new information released by Scottish doctors today. ...

<http://news.gather.com/viewArticle.action?articleId=281474978977254>

[Brain cooling technique can aid stroke recovery](#)

24 Jan 2011 ... **Brain cooling** technique can aid **stroke recovery** ... The new **brain** discovery could **help** patients to get advantages from drugs to conquer the ...

www.thehealthage.com/brain-cooling...can...stroke-recovery/0124/

[Brain cooling could aid stroke recovery | CARDI : Centre for ...](#)

24 Jan 2011 ... Researcher's Toolkit · **Help ... Cooling the brain** of patients who have suffered a **stroke** could dramatically improve their ... music in the early stages after a **stroke** can improve a patient's **recovery**, research suggests. ...

www.cardi.ie/news/braincoolingcouldaidstrokerecovery

[Hospital Choices - Brain cooling could aid stroke recovery](#)

Cooling the brain of patients who have suffered a **stroke** could dramatically improve their **recovery**, a group of Scottish doctors has said. ...

www.hospitalchoices.co.uk/HomeNewsDetails.aspx?...Brain+cooling...stroke+recovery

[Brain cooling could aid stroke recovery - Yorkshire News](#)

24 Jan 2011 ... **Cooling the brain** of patients who have suffered a **stroke** could ... the event could **help** their **recovery** from paralysis, a study has found. ...

www.yorkshirewired.co.uk/.../124744-Brain-cooling-could-aid-stroke-recovery - [Cached](#)

[Brain cooling could aid stroke recovery | GGS News](#)

24 Jan 2011 ... Scotland,(GGS NEWS) 24 Jan 2011 : **Cooling the brain** of patients who have suffered a **stroke** could dramatically improve their **recovery**, ...

www.ggsnews.com/9235/world.../brain-cooling-could-aid-stroke-recovery

['Cold brain' aids stroke recovery - BBC News: Science & Nature | e ...](#)

24 Jan 2011 ... Scientists in Scotland say **cooling the brain** of patients who suffer a **stroke** could dramatically improve their **recovery**. ...

esciencenews.com/sources/bbc.news.../cold.brain.aids.stroke.recovery

[QNA | Culture | Brain Cooling Could Aid Stroke Recovery](#)

24 Jan 2011 ... London, January 24 (QNA) -**Cooling the brain** of patients who have suffered a **stroke** could dramatically improve their **recovery**, ...

www.qnaol.net/QNAEn/News_bulletin/.../11-01-24-1553_193_0049.aspx

[BBC News - 'Brain cooling' could help recovery of stroke patients](#)

'**Brain cooling**' to aid **stroke recovery**: **Cooling the brain** of patients who have suffered a **stroke** could dra... [#news](http://bbc.in/iby1p0).

tweetmeme.com/.../bbc-news-brain-cooling-could-help-recovery-of-stroke-patients

[Cooling the brain 'aids stroke recovery' - Barchester Healthcare ...](#)

25 Jan 2011 ... '**Brain cooling**' could **help recovery** of **stroke** patients ... '**Brain cooling**' to aid **stroke recovery**: **Cooling the brain** of patients who have ...

www.buzzbox.com/news/2011-01-25/cooling:recovery/?clusterId...

[Brain cooling could aid stroke recovery | Able Magazine](#)

24 Jan 2011 ... **Cooling the brain** of patients who have suffered a **stroke** could dramatically improve their **recovery**, a group of Scottish doctors has said. ...

ablemagazine.co.uk/brain-cooling-could-aid-stroke-recovery/ - [Cached](#)

[Cooling the brain 'aids stroke recovery' | Healthcare News:](#)

24 Jan 2011 ... Chances of a good **recovery** following a **stroke** could be greatly improved by **cooling** down the **brain**, doctors have said. ...

www.barchester.com/Healthcare.../Cooling-the-brain...stroke-recovery'/.../4052

[Cooling the Brain of Stroke Victims Can Boost Recoverystroke ...](#)

24 Jan 2011 **Cooling stroke** patients brains could aid **recovery** '**Brain cooling**' to aid **stroke** ... after a **stroke** can **help** patients recover from paralysis and move again, ...

www.24dunia.com/.../Cooling-the-Brain-of-Stroke-Victims-Can-Boost-Recovery-.html - [India](#)

'Cold brain' aids stroke recovery

24 Jan 2011 Scientists in Scotland say **cooling the brain** of patients who suffer a **stroke** could dramatically improve their **recovery**. More...

www.dizzytimes.com/showthread.php?17159-Cold-brain...stroke-recovery

Cooling brain of stroke patient might limit damage/aid recovery ...

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www.reddit.com/r/science/comments/f81si/?sort=confidence

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Scientists in Scotland say **cooling the brain** of patients who suffer a **stroke** ... **Brain cooling** could aid **stroke recovery**. 23 January 11 19:10 ET ... 'Hypothermia ' may **help** save lives (28 Jan 10 | Scotland); **Stroke** study to test early ...

www.bbc.co.uk/news/mobile/uk-scotland-12261728 - Cached

'Cold brain' aids stroke recovery | Health

24 Jan 2011 ... Scientists in Scotland say **cooling the brain** of patients who suffer a ... 'Cold **brain**' aids **stroke recovery** · PC exercise **helps stroke** ...

www.360news.co.za/health/.../356811-cold-brain-aids-stroke-recovery.html

Treatment for stroke, stroke medications, drugs

18 Jul 2005 ... For example, they appear to **help** prevent plaque build-up on the blood ... **Cooling** is done through special **cooling** blankets, ventilators, ... In hemorrhagic **stroke**, bleeding in the **brain** itself or between the ... Spontaneous **recovery** accounts for most improvements in the first month after a **stroke**. ...

heart-disease.health-cares.net/stroke-medications.php - Cached - Similar

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'Cold **brain**' aids **stroke recovery**. Scientists in Scotland say **cooling the brain** of patients who suffer ... To **help** things run smoothly we ask that patients: ...

www.dinesgreendental.co.uk/page1.aspx?p=3&t=4 - Cached

[Giving disabled people a sporting chance | Able Magazine](#)

Brain cooling could aid **stroke recovery** ...

ablemagazine.co.uk/giving-disabled-people-a-sporting-chance/ - Cached

['Cold brain' aids stroke recovery - NewsWorld - FriendFeed](#)

Scientists in Scotland say **cooling the brain** of patients who suffer a **stroke** could dramatically improve their **recovery**. ©2011 FriendFeed - ...

friendfeed.com/rooms/newsworld/.../cold-brain-aids-stroke-recovery

[Literature Searching « BFW Library Newsletter](#)

'Cold **brain**' aids **stroke recovery**. Scientists in Scotland say **cooling the** ... The newspaper says that the discovery may **help** researchers understand the ...

bfiwlibrary.wordpress.com/literature-searching-service/

[Hugglescote Surgery - Staff details](#)

'Cold **brain**' aids **stroke recovery**. Scientists in Scotland say **cooling the brain** The district nurses may be able to **help** if you have an invalid at home, ...

www.hugglescotesurgery.co.uk/staff1.aspx?t=4 - Cached

[Science & Technology](#)

'Cold **brain**' aids **stroke recovery**. Scientists in Scotland say **cooling the** ... New warning signs are installed on two Carmarthenshire roads to **help** toads ...

chaldean.org.dnmax.com/.../Chaldean-American-Student-Association.aspx

[Health Matters - \ healthmatters \ rss \ bbc ...](#)

'Cold **brain**' aids **stroke recovery** - Mon, 24 Jan 2011 00:10:16 GMT Scientists in Scotland say **cooling the brain** of patients who suffer a ... Parents need **help** with obese children. Rewarding clean living - Fri, 14 Jan 2011 08:33:50 GMT ...

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[Ghana News | Ghana Breaking News | News In Ghana](#)

'Cold **brain**' aids **stroke recovery**. 24 Jan 2011 - Scientists in Scotland say **cooling the brain** of patients who suffer a **stroke** could dramatically improve their **recovery**. ... a crossing to **help** migratory wildlife cross a section of Interstate 70 in Colorado

www.modernghana.com/GhanaHome/foreign/software.asp?...

[Heeley Green Surgery - The clinics and other services offered by ...](#)

'Cold **brain**' aids **stroke recovery**. Scientists in Scotland say **cooling the ...** a drug commonly used to treat breast cancer, may also **help** reduce the risk of ...

www.heeleygreensurgery.co.uk/clinics-and-services.aspx?t=3 - Cached

[Causes and Triggers of Baldness in Men – Hair Loss Information and ...](#)

25 Jan 2011 ... Scientists in Scotland say **cooling the brain** of patients who suffer a **stroke** could dramatically improve their **recovery**. ...

selfhelp101.net/site3/?p=866

[Claremont Medical Centre - Get Active Exercise Referrals & Walk4Life](#)

'Cold **brain**' aids **stroke recovery**. Scientists in Scotland say **cooling the ...** It will **help** you to feel well, stay well, give you energy and **help** you live ...

www.claremontmedicalcentre.co.uk/info.aspx?p=5 - Cached

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www.centralsurgery.co.uk/ - Cached - Similar

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Cooling stroke patients' **brains** could aid **recovery** (English) ... work ' Hypothermia' may **help** save lives Speech call for **stroke** survivors **Cooling the brain ...**

upge.wn.com/?template=aidnews/index.txt...0... - Cached

[Restore California Family Visits!!! - WACPtv](#)

25 Jan 2011 ... Please **help** us restore california visiting for inmates and their family! ... ' **Brain cooling**' to aid **stroke recovery**. **Cooling the brain** of ...

wacptv.ning.com/xn/detail/2077897:Video:203462?xg_source=activity

[Reader Comments | Patient UK News](#)

'Cold **brain**' aids **stroke recovery**. (BBC 24/01/2011). Scientists in Scotland say **cooling the brain** of patients who suffer a **stroke** could dramatically improve their ... Top 10 Self **Help** Groups. Veterans UK · British Heart Foundation ...

news.patient.co.uk/newspaper.asp?ss=14&a=r&cid=14370&cf=

[Home | There4U - Mental Health and Well Being Information Servic ...](#)

'**Brain cooling**' to aid **stroke recovery**. **Cooling the brain** of patients who have Both Khromm and There4U hope his writings will **help** others living with ...

www.there4u.org.uk/ - Similar



[Biomed Middle East » ameilia Biomed Middle East](#)

25 Jan 2011 ... **Cooling stroke** patients' brains could aid **recovery** ... doctors have suggested that **cooling the brain** of patients who have suffered a **stroke** ... providing useful information and resources to **help** GPs with the challenge of ...

biomedme.com/author/ameilia

[Brain Recovery, Speech Improvement Can Occur After A Stroke ...](#)

Stroke Recovery: The Basics Of Physical Rehabilitation ... **Cooling** Patients After CPR Can Reduce **Brain** Damage, Boost **Recovery** ...

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[BBC Health \(bbchealth\) on Twitter](#)

'**Brain cooling**' to aid **stroke recovery** <http://bbc.in/fQRsog> 5:54 AM Jan 24th via twitterfeed. Fighting pneumonia <http://bbc.in/eIVkx9> 4:22 AM Jan 24th via ...
twitter.com/bbchealth - [Similar](#)

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Brain cooling could aid **stroke recovery** The bodies of **stroke** patients are ... This beta report credibility rating is intended to **help** our community sort ...

[www.allvoices.com/.../therapeutic-hypothermia-originalvalue-therapeutic-hypothermia-originalvalue - United States](http://www.allvoices.com/.../therapeutic-hypothermia-originalvalue-therapeutic-hypothermia-originalvalue-United States) - [Cached](#)

[Yorkshire News | Health News](#)

Cooling the brain of patients who have suffered a **stroke** could dramatically improve their **recovery**, ... Economic **recovery** will be "unevenly spread" across the country with some cities needing extra government **help** to create jobs, a st. ...

www.yorkshirewired.co.uk/category.php/Health

['Cold brain' aids stroke recovery - John Luevanos - FriendFeed](#)

Scientists in Scotland say **cooling the brain** of patients who suffer a **stroke** could dramatically improve their **recovery**. - John Luevanos. ©2011 FriendFeed - ...

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DANISH

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24/01/2011 Jyllands-Posten Newspaper

Forskerne overvejer nu at igangsætte et mere omfattende forsøg med metoden, og i følge doktor **Malcolm Macleod**, der er leder afdelingen for eksperimentel neuroscience på the Centre for Clinical Brain Sciences ved University of Edinburgh, ...

<http://fjn.dk/>

FRENCH

[Le refroidissement, traitement prometteur pour lutter contre l'AVC](#)

LeVif.be - (Magazine, elgium)

24, 2011

"Nous estimons que l'hypothermie peut améliorer l'issue pour plus de 40.000 Européens tous les ans", précise le docteur **Malcolm MacLeod**, chef de département ...

[Le refroidissement, traitement prometteur pour lutter contre ...](#)

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(Belga) L'hypothermie thérapeutique ou refroidissement pourrait augmenter de façon significative les taux de survie aux accidents cardio-vasculaires (AVC), a ...

[skynet.be/actu-sports/actu/belgique/...?id=743871](#) - 262k - [Cached](#)

[traitement prometteur pour lutter contre l'avc : Vos questions santé](#)

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24 janv. 2011 ... **L'hypothermie thérapeutique ou refroidissement pourrait augmenter de façon significative les taux de survie aux accidents ...**

[vosquestionsante.blogs.dhnet.be/.../traitement+prometteur+pour+lutter+contre +l'avc](#)

La Meuse (Newspaper, Belgium)

[Le refroidissement, traitement prometteur pour lutter contre ...](#)

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L'hypothermie thérapeutique ou refroidissement pourrait augmenter de façon significative les taux de survie aux accidents cardio-vasculaires (AVC), a annoncé ...

[lameuse.be/actualite/fil_info/2011-01-24/...](#)

GREEK

[kathimerini.gr | Η τύξη ητος εγκευάλος με τεσνητή ςποθεπμία ...](#)

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Η τύξη ητος εγκευάλος με τεσνητή ςποθεπμία μπορεί να σώσει ζυέρ έπειτα από ... για την Υποθεπμία στα Εγκευαλικά (**EuroHYP**-www.eurohyp.org), με ςςντονιστή τον καθηγητή ...

[portal.kathimerini.gr/4dcgi/.../01/2011_374766](#) - 59k - [Cached](#)

ITALIAN

[MEDICINA:IBERNANDO CERVELLO, MIGLIORA RECUPERO DOPO ICTUS - Le ...](#)

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salute.doctissimo.it/.../medicina-ibernando-cervello-migliora-recupero-dopo-ictus_6939.html

[Nuove cure puntano su ipotermia paziente](#)

Doctissimo – Italy 24 Jan 2011

http://salute.doctissimo.it/le-news-della-salute/sanita-ictus-nuove-cure-puntano-su-ipotermia-paziente_597.html



[YourSelf.it](http://www.yourself.it)

[Ictus, l'ibernazione artificiale riduce i danni al cervello](#)

YourSelf.it - an.

... un gruppo di studiosi dell'Università di Edimburgo, coordinati dal dottor **Malcolm MacLeod**, neuroscienziato presso il Centre for Clinical Brain Sciences. ...

<http://www.yourself.it/ictus-ibernazione-artificiale-riduce-danni-al-cervello/>

[Ictus: congelare il cervello per ridurre i danni e guarire meglio](#)

NEWSFOOD.com - 26 jan.

Congelare (cioè usare ibernazione artificiale) il cervello per combattere l'ictus: così facendo i medici contrastano meglio i danni e la guarigione è più ...

<http://www.newsfood.com/q/1da39bc0/ictus-congelare-il-cervello-per-ridurre-i-danni-e-guarire-meglio/>

[Scienza/ Ibernazione cervello per proteggerlo da ictus](#)

Virgilio - jan.

... il corretto funzionamento dei vasi sanguigni", sintetizza a nome dei colleghi **Malcolm Macleod**, neuroscienziato dell'Università di Edimburgo. ...

http://notizie.virgilio.it/notizie/scienze_e_tecnologie/2011/01_gennaio/29/scienza_ibernazione_cervello_per_proteggerlo_da_ictus,28086527.html

[Ictus e ipotermia: il raffreddamento del cervello riduce mortalità ...](#)

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25 gen 2011 ... **Ictus** e ipotermia: il **raffreddamento** del cervello riduce mortalità e ... E' la conclusione di uno studio coordinato da **Malcolm Macleod** e ...

www.italia-news.it/.../ictus-e-ipotermia--il-raffreddamento-del-cervello-riduce-mortalita-e-danni-56246.html

[Benessere - LASTAMPA.it](#) web and newspaper

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Raffreddare il cervello dopo un ictus per limitare i danni, prevenire una morte ... questo progetto, promosso dal consorzio **EuroHYP** e atto a promuovere questa ...

<http://www3.lastampa.it/benessere/sezioni/medicina/articolo/lastp/385786/>

[Ictus, le nuove cure puntano sull'ipotermia del paziente ...](#)

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In futuro il recupero dei pazienti affetti da ictus ischemico potrebbe passare attraverso ... A promuovere la ricerca è il consorzio **EuroHYP**, che a Bruxelles ha organizzato ...

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[Ictus, limitare i danni con l'ipotermia - MedicinaLive.com](#)

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Ictus: l'ipotermia potrebbe aiutare a limitare i danni. Raffreddare il cervello dei ... Europa e riuniti nel consorzio **EuroHYP** a cercare di raccogliere adeguati finanziamenti ...

[medicinalive.com/medicina-tradizionale/nuove-frontiere/...](#) - 85k - [Cached](#)

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wellme.it/salute/news/2098-ictus-il-congelamento-potrebbe-bloccarlo

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candy198@hotmail.com (Maria Ida Longo)

<http://www.mammedomani.it/component/content/frontpage.html>

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www.campus.rieti.it/.../2910-raffreddare-il-cervello-per-ridurre-i-danni-e-favorire-il-recupero-dopo-un-ictus.html



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Medicina: ibernando il cervello migliora il recupero dopo un **ictus** ... o meglio, **raffreddare** il cervello dei pazienti con **ictus**, può migliorare ... "Ogni giorno 1000 cittadini europei muoiono per un **ictus** - spiega **Malcolm Macleod**, ...

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www.in-dies.info/25/01/2011/i-danni-di-un-ictus-possono...col.../6281

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25 gen 2011 ... Come spiega **Malcolm Macleod**, capo del team scozzese, ogni giorno mille cittadini europei muoiono per un **ictus**, cioè uno ogni 90 secondi, ...

italiasalute.leonardo.it/newsh.asp?ID=7889

www.CondividiCommentaNotizie.tk

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www.ordinemedicipa.it/?act=news&id_news=17055

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Raffreddare il cervello dei pazienti colpiti da tale patologia facilita ... Termini legati all'articolo: **ictus**, ipotermia, **Malcom MacLeod**, sperimentazione. ...

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www.alcoolico.it/?p=65176

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Malcom MacLeod e dal suo team ha convinto diversi luminari provenienti da tutta ... SALUTE:

ICTUS, RAFFREDDARE CERVELLO POTREBBE AIUTARE RECUPERO- Asca ...

arianna.libero.it/news/categorie/scienza_8.html

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... cioè dal **raffreddamento** del corpo, con diverse modalità, dalla copertina ... inclusa l'Italia "L'**ictus** - spiega **Malcolm Macleod**, dell'Università di ...
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samaritanirenzo.wordpress.com/author/delisosamaritani/

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www.vitadidonna.org/.../i-danni-dellictus-possono-essere-limitati-con- lipotermia-6074.html – Italy

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parliamodisalute-gianugoberti.blogspot.com/.../25012011-raffreddare-il- cervello.html

[Pros. - Salute e Benessere Cybermed - Il Portale Europeo di ...](#)

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www.cybermed.it/index.php?option=com_content&task=view...



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<http://rssnotizie.com/>

rssnotizie.com/tag/ipotermia

[Malcom MacLeod - MedicinaLive.com](#)

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Ictus: l'ipotermia potrebbe aiutare a limitare i danni. **Raffreddare** il cervello dei pazienti colpiti da tale patologia facilita il recupero delle attività, ...

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parliamodisalute-gianugoberti.blogspot.com/

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24/01/2011 Renzo

E' la conclusione di uno studio coordinato da **Malcolm Macleod** e condotto da ricercatori dell'Università di Edimburgo ... SALUTE: ESPERTO, L'IPOTERMIA ANTI-ICTUS POTREBBE SALVARE 40.000 ... Agenzia di Stampa Asca ...

<http://renzopad.blogspot.com/>

[Nuova ricerca - Benvenuti su Virtual Blog, un Blog tra fantasia e ...](#)

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21 uur geleden door Pattinando

Il dottor **Malcolm Macleod**, direttore del Centre for Clinical Brain Sciences dell'Università d'Edimburgo, ha detto: "Le nostre stime indicano che l'ipotermia, ogni anno, potrebbe aiutare a sopravvivere più di 40.000 cittadini europei". ...

<http://virtualblog.splinder.com/>

[Ipotermia per combattere ictus? :: VIP](#)

- [[Vertaal deze pagina](#)]

18 uur geleden door admin

«L'ipotermia ci permetterà di migliorare le condizone di oltre 4 . . . pazienti ogni anno», ha detto **Malcolm Macleod**, neuroscienziato del Centre for Clinical Brain Sciences dell'Università di Edimburgo. Ogni giorno circa 1.000 europei ...

<http://www.vip.it/>

[Google News: Ictus e ipotermia: il raffreddamento del cervello ...](#)

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4 uur geleden door R&M

E' la conclusione di uno studio coordinato da **Malcolm Macleod** e condotto da ricercatori dell'Università di Edimburgo ... SALUTE: ESPERTO, L' IPOTERMIA ANTI-ICTUS POTREBBE SALVARE 4 Agenzia di Stampa Asca ...

<http://olistico.wordpress.com/>

[Ictus, Verona fra i centri pilota di uno - L'Arena.it - Il ...](#)

- [[Vertaal deze pagina](#)]

25/01/2011

Nel progetto sono coinvolti 80 ospedali in 21 Paesi, inclusa l'Italia «L'ictus», spiega **Malcolm Macleod**, dell'Università di Edimburgo e a capo di uno studio pilota, «è un potente killer: ogni giorno almeno mille europei muoiono di ...

<http://www.larena.it/sitenews/>

[Mamme Domani | Ictus: raffreddare il cervello per ridurre i danni ...](#)

- [[Vertaal deze pagina](#)]

24/01/2011 candy198@hotmail.com (Maria Ida Longo)

Malcolm Macleod, coordinatore dello studio ha spiegato che, ogni giorno mille cittadini europei muoiono per un ictus, ma con questa nuova tecnica si possono migliorare i risultati per almeno 40mila cittadini l'anno: intanto il dottor ...

<http://www.mammedomani.it/component/content/frontpage.html>

[Nuova ricerca - Benvenuti su Virtual Blog, un Blog tra fantasia e ...](#)

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25/01/2011 Pattinando

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<http://virtualblog.splinder.com/>

[Ipotermia per combattere ictus? :: VIP](#)

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24/01/2011 admin

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<http://olistico.wordpress.com/>

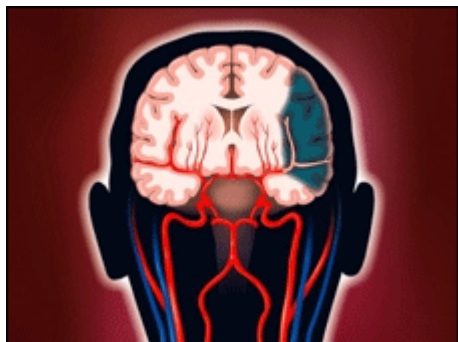
SPANISH

[BBC Mundo - Noticias - Enfriar el cerebro podría ayudar a ...](#)

- [Translate](#)

[Lunes, 24 de enero de 2011] Enfriar el cerebro podría ayudar a recuperarse de un derrame ... de Investigación de Hipotermia en Derrames (**EuroHYP**), que reúne a científicos europeos de ...

bbc.co.uk/mundo/noticias/2011/01/110124_derrame_enfriamie... - [Cached](#)



[Enfriar cerebro podría ayudar a recuperarse de un derrame ...](#)

- [Translate](#)

Los científicos, que están trabajando con otros médicos europeos, creen que la ... de Hipotermia en Derrames (**EuroHYP**), que reúne a científicos europeos ...

taringa.net/posts/salud-bienestar/8929210/... - [Cached](#)

[Científicos enfrían el cerebro como técnica para recuperarlo de un ...](#)

- [[Vertaal deze pagina](#)]

24/01/2011 InterArtix.com

"Nuestros cálculos son que la hipotermia podría mejorar la prognosis de más de 40.000 europeos cada año" afirma el doctor **Malcolm Macleod**, jefe de neurociencia experimental del Centro de Ciencias Clínicas del Cerebro de la Universidad ...

<http://interartix.com/>

[Enfriar el cerebro de los pacientes que han sufrido un derrame ...](#)

- [[Vertaal deze pagina](#)]

24/01/2011 JOSE INFANTE

"Nuestros cálculos son que la hipotermia podría mejorar la prognosis de más de 4 . europeos cada año" afirma el doctor **Malcolm Macleod**, jefe de neurociencia experimental del Centro de Ciencias Clínicas del Cerebro de la Universidad ...

<http://www.elmundoal instante.com/contenido/>

[Subserraneo - La hipotermia podría reducir lesiones cerebrales](#)

- [[Vertaal deze pagina](#)]

24/01/2011 Data

Para el doctor **Malcolm Macleod**, jefe de neurociencia experimental del Centro de Ciencias Clínicas del Cerebro de la Universidad de Edimburgo, –a hipotermia podría mejorar la prognosis de más de 4 . europeos cada año” afirma. ...

<http://subserraneo.com/revis/>

[Enfriar cerebro podría ayudar a recuperarse de un derrame | blog ...](#)

- [[Vertaal deze pagina](#)]

24/01/2011 alltaringa

Nuestros cálculos son que la hipotermia podría mejorar la prognosis de más de 40.000 europeos cada año afirma el doctor **Malcolm Macleod**, jefe de neurociencia experimental del Centro de Ciencias Clínicas del Cerebro de la Universidad de ...

<http://www.blogdesalud.com.ar/>

[Inducing hypothermia as a brain stroke treatment | M24 Salud](#)

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24/01/2011 RedactorD

Dr **Malcolm Macleod**, head of experimental neuroscience at the Centre for Clinical Brain Sciences at the University of Edinburgh, said: –Every day Europeans die from stroke – that’s one every 90 seconds – and about twice that number ...

<http://salud.momento24.com/en/>

[Científicos enfrían el cerebro como técnica para recuperarlo de un ...](#)

- [[Vertaal deze pagina](#)]

24/01/2011 InterArtix.com

"Nuestros cálculos son que la hipotermia podría mejorar la prognosis de más de 40.000 europeos cada año" afirma el doctor **Malcolm Macleod**, jefe de neurociencia experimental del Centro de Ciencias Clínicas del Cerebro de la Universidad ...

<http://interartix.com/>

[NPG Iberoamerica - Hipotermia terapéutica para el ictus ...](#)

- [Translate](#) PREVIOUS PAPER

La hipotermia terapéutica es un medio de neuroprotección bien establecido en el ... Research Network for Hypothermia (**EuroHYP**) están coordinando un serie ...

npgiberoamerica.com/highlights-en-neurociencias/... - [Cached](#)

RUSSIAN

[Охлаждение мозга спасет жизнь инсультным больным | Trental ...](#)

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24/11/2011 trental

... которыми руководит профессор Малькольм Маклеод (**Malcolm Macleod**), что руководство EuroHYP приняло решение как можно скорее изыскать средства для организации крупномасштабного исследования в клиниках Германии, Италии и Франции новой ...
<http://www.trental.ru/>

UKRAINE

[Охлаждение мозга спасет жизнь инсультным больным](#)

- [Translate](#)

Охлаждение мозга спасет жизнь инсультным больным. Шотландские ученые изобрели способ, с ... больнымЕвропейские медики из объединения **EuroHYP** (Исследовательская сеть по лечению ...

obozrevatel.com/health/ohlazhdenie-mozga-spaset-zhizn-ins...

Translation:

Cooling the brain saves the stroke patient's life