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About **Mary Ann Liebert**

- 주제분야 : AIDS, 유전자 치료, 생명의학, 공학, 임상의학, 법학, 환경과학
- 원문정보 제공 년도 : 1980년 - 현재 (저널 별로 다양)
- 저널종수 : 기본 (73종) / 신규 타이틀 패키지 (18종)
- 서비스제공주소 : <https://www.liebertpub.com>

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- ① 1980년에 설립되어 AIDS, 유전자 치료, 생물복제 등의 전문분야를 다룸.
- ② 생물공학 분야에서 주도적인 출판사로 손꼽히고 있음.

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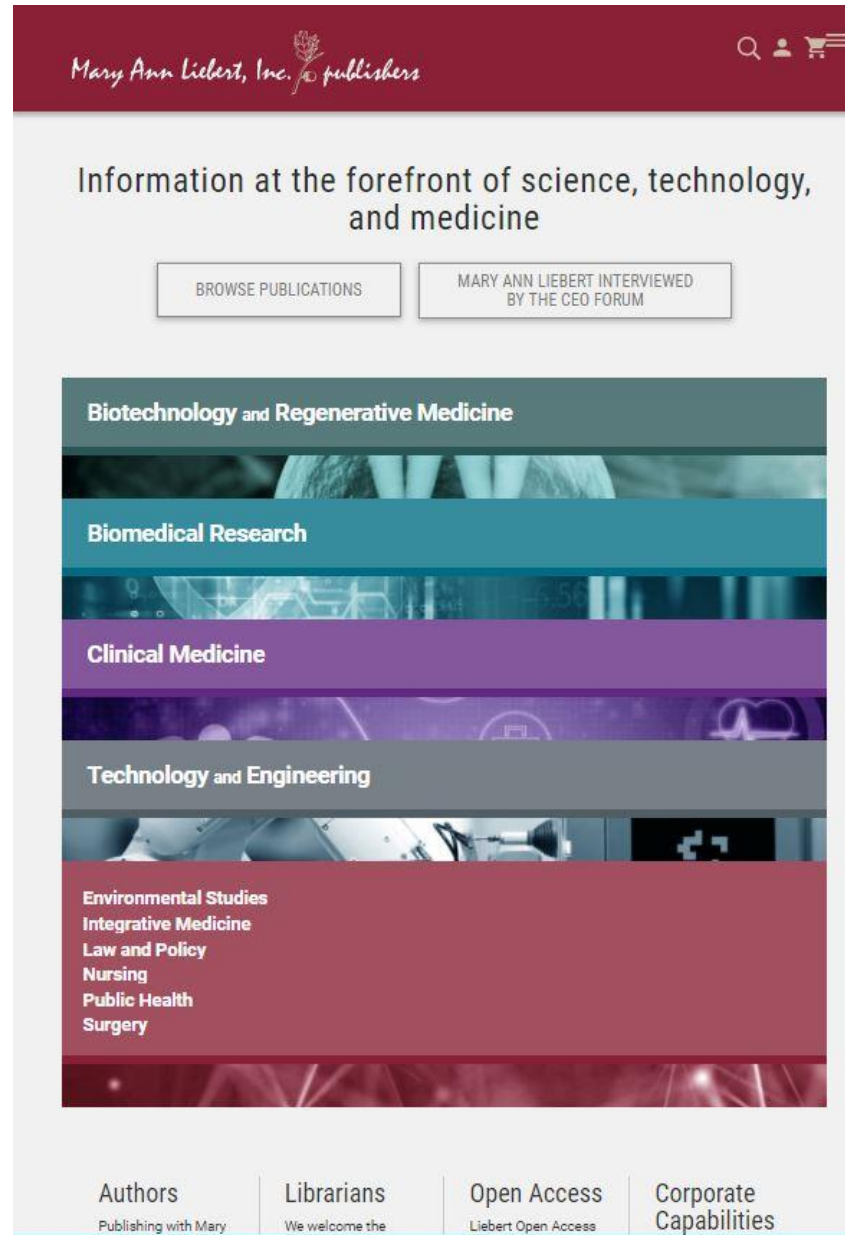
Site Navigation

사이트 소개



Responsive Design

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반응형 웹 지원



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모든 콘텐츠에 대하여
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Main Page

개인 계정으로 로그인 가능

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홈페이지 내 어디서든지 로고를 누르면 다시 메인 페이지로 돌아갑니다.



“Publication” 메뉴에 마우스를 가져가면 드롭-다운메뉴가 아래와 같이 제공됨

The screenshot shows the Mary Ann Liebert, Inc. website with the 'PUBLICATIONS' menu item circled in yellow. A red arrow points from the 'PUBLICATIONS' menu to the 'All Publications' section. Another red arrow points from the '컬렉션 단위' (Collection Unit) menu item to the 'Journal Collections' section. A third red arrow points from the '타임별' (By Type) menu item to the 'Publications by Type' section. The 'All Publications' section includes links for 'A to Z' and 'Recommend a Title to Your Library'. The 'Journal Collections' section lists various research areas. The 'Publications by Type' section lists different publication formats. The website also features a navigation bar with 'AUTHORS', 'LIBRARIANS', 'OPEN ACCESS', 'ADVERTISING', and 'CORPORATE CAPABILITIES'.

모든 발간물과
A-Z 디렉토리

Publications
drop-down
menu
발간물



Methods of Browsing Our Journals

컬렉션/ A-Z/ 유형별 브라우징 가능

The screenshot shows the website's navigation menu with the following items: PUBLICATIONS, PUBLICATIONS A-Z, JOURNAL COLLECTIONS, PUBLICATION BY TYPE, and RECOMMEND A TITLE. A banner below the menu features the text "Groundbreaking Publications" and "Our portfolio of peer-reviewed journals, trade magazines, books, and newsletters delivers critical, trusted information across the fields of science, technology, engineering, and medicine." Below the banner, there are three main browsing options, each circled in red: "Journal Collections" (describing over 90 peer-reviewed journals in various fields), "Titles A-Z" (describing an alphabetical catalog with direct access), and "Publications by Type" (describing a catalog including books, ebooks, trade magazines, and newsletters).

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Browse by Collections

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Advances in Wound Care, Volume 1	MORE INFO	ONLINE ACCESS
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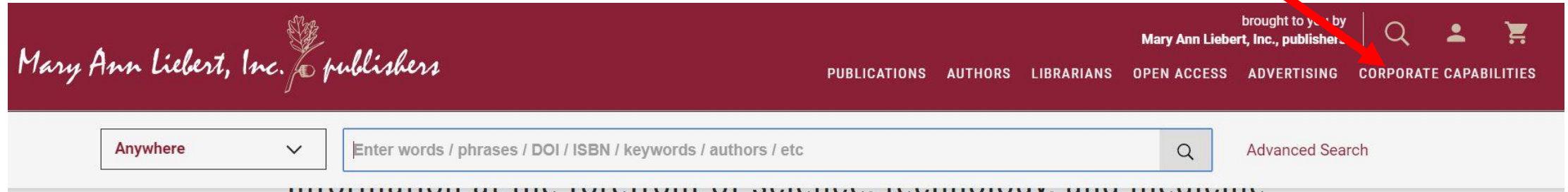


Search
검색



Search

Mary Ann Liebert 사이트 내 어디서든 우측 상단의 돋보기 모양을 클릭하면 아래와 같은 검색창이 나타남



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더 나은 검색결과를 위하여 Advanced 검색



Advanced Search – 상세검색

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PUBLICATIONS AUTHOR

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Anywhere
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Author
Keywords
Abstract

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있음

e.g. Journal of Theoretical Biology 저널명 등을 입력할 수 있음

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 Last Select ▾
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Anywhere Genetic Editing Advanced Search

NARROW RESULTS

FILTERS APPLIED

Last Year

Clear all

Research Article 255

Review Article 50

Editorial 27

Letter 17

Abstract 12

MORE (6)

AUTHOR

Flotte, Terence R 11

Wilson, James M 6

Davies, Kevin 5

Philippidis, Alex 5

TITLES AND WEBSITE RESULTS

ARTICLES AND PUBLISHED CONTENT

RESULTS: 1 - 20 of 383 Genetic Editing

Follow results

REFINE SEARCH PER PAGE: 20 50 100 SORT: RELEVANCE

Recent Advances in Therapeutic Genome Editing in China
Yang Yang , Wang Qingnan , Li Qian , Men Ke , He Zhiyao , Deng Hongxin , Ji Weizhi , Wei Yuquan
Published Online: 01 Feb 2018 |
<https://doi.org/10.1089/hum.2017.210>
Abstract

Transgenerational CRISPR-Cas9 Activity Facilitates Multiplex Gene Editing in Allopolyploid Wheat
Wang Wei , Pan Qianli , He Fei , Akhunova Alina , Chao Shiaoan , Trick Harold , Akhunov Eduard
Published Online: 01 Feb 2018 |
<https://doi.org/10.1089/crispr.2017.0010>
Abstract

Adenosine-to-Inosine RNA Editing in Health and Disease
Gatsiou Aikaterini , Vlachogiannis Nikolaos , Lunella Federica Francesca , Sachse Marco , Stellos Konstantinos
Published Online: 01 Feb 2018 |
<https://doi.org/10.1089/hum.2017.210>



Refine Search – 결과 내 검색

The screenshot shows a search results interface. On the left is a sidebar with 'NARROW RESULTS' and 'FILTERS APPLIED' (Review Article, Last Year). The main area has tabs for 'TITLES AND WEBSITE RESULTS' and 'ARTICLES AND PUBLISHED CONTENT'. Below the tabs, it shows 'RESULTS: 1 - 20 of 50 Genetic Editing' and 'Follow results: [star] [RSS]'. The 'REFINE SEARCH' section is highlighted with a red arrow and contains 'Advanced Options', 'Search History', and 'Saved Searches'. It includes search filters for 'Anywhere' (with a dropdown), 'Genetic Editing' (with a plus icon), 'Enter Search term' (with a plus icon), 'Published in' (with a text input 'e.g. Bioelectronics in Medicine'), and 'Publication Date' (with radio buttons for 'All dates', 'Last' (selected), and 'Custom range', and a 'year' dropdown). A 'Search' button is at the bottom right.

NARROW RESULTS

FILTERS APPLIED

Review Article × Last Year ×

Clear all

AUTHOR

Chuah, Marinee K 2

Dandara, Collet 2

Kunej, Tanja 2

VandenDriessche, Thierry 2

Abuharfeil, Nizar Mohammad 1

MORE (95) ▾

PUBLICATION

Human Gene Therapy Clinical Development 18

Human Gene Therapy Methods 18

Human Gene Therapy 16

Antioxidants & Redox Signaling 8

The CRISPR Journal 4

TITLES AND WEBSITE RESULTS | **ARTICLES AND PUBLISHED CONTENT**

RESULTS: 1 - 20 of 50 Genetic Editing Follow results: ☆ RSS

REFINE SEARCH ▾ PER PAGE: 20 50 100 SORT: RELEVANCE ▾

Advanced Options Search History Saved Searches

Anywhere ▾ Genetic Editing ⊕

Anywhere ▾ Enter Search term ⊕

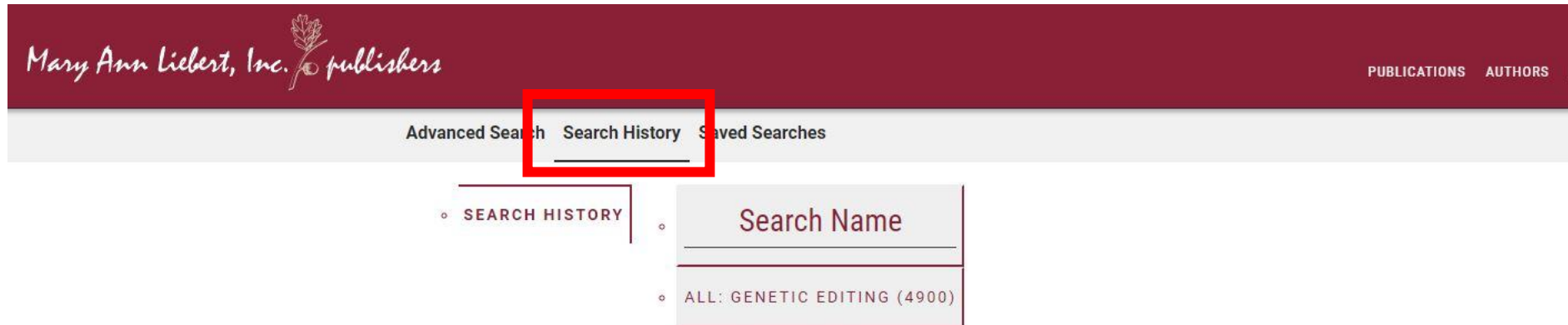
Published in e.g. Bioelectronics in Medicine

Publication Date All dates Last year ▾ Custom range Month ▾ Year ▾ Month ▾ Year ▾

Search



Search History – 검색 히스토리



The screenshot shows the top navigation bar of the Mary Ann Liebert, Inc. publishers website. The logo is on the left, and navigation links for PUBLICATIONS, AUTHORS, and L are on the right. Below the logo, there are three menu items: Advanced Search, Search History (highlighted with a red box), and Saved Searches. A dropdown menu for Search History is open, showing a search name field and a list item: ALL: GENETIC EDITING (4900).

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PUBLICATIONS AUTHORS L

Advanced Search Search History Saved Searches


SEARCH HISTORY

Search Name

ALL: GENETIC EDITING (4900)



Saved Searches – 검색결과 저장

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PUBLICATIONS AUTHORS LIBRARIANS OPEN ACCESS ADV

Advanced Search Search History **Saved Searches**

Saved Search Name	Frequency	Last run on		
Genetic Editing	D	May 1, 2018	RUN	DELETE



Journal Pages

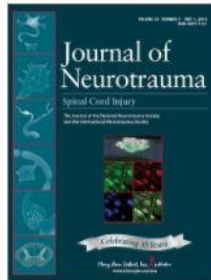
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Journal Landing Page

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A B C D E F



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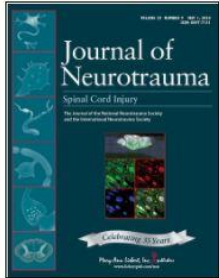
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VOLUME 35, ISSUE 9 / MAY 2018

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Rho Inhibitor VX-210 in Acute Traumatic Subaxial Cervical Spinal Cord Injury: Design of the SPinal Cord Injury Rho Inhibition InvestiGation (SPRING) Clinical Trial

Fehlings Michael G., Kim Kee D., Aarabi Bizhan, Rizzo Marco, Bond Lisa M., McKerracher Lisa, Vaccaro Alexander R., and Okonkwo David O.

Pages: 1049–1056 | Published Online: 1 March 2018

https://doi.org/10.1089/neu.2017.5434

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목차 / 원문보기

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Abstract 초록

Traumatic spinal cord injury (SCI) is associated with a lifetime of disability stemming from loss of motor, sensory, and autonomic functions; these losses, along with increased comorbid sequelae, negatively impact health outcomes and quality of life. Early decompression surgery post-SCI can enhance patient outcomes, but does not directly facilitate neural repair and regeneration. Currently, there are no U.S. Food and Drug Administration–approved pharmacological therapies to augment motor function and functional recovery in individuals with traumatic SCI. After an SCI, the enzyme, Rho, is activated by growth-inhibitory factors and regulates events that culminate in collapse of the neuronal growth cone, failure of axonal regeneration, and, ultimately, failure of motor and functional recovery. Inhibition of Rho activation is a potential treatment for injuries such as traumatic SCI. VX-210, an investigational agent, inhibits Rho. When administered extradurally after decompression (corpectomy or laminectomy) and stabilization surgery in a phase 1/2a study, VX-210 was well tolerated. Here, we describe the design of the SPRING trial, a multicenter, phase 2b/3, randomized, double-blind, placebo-controlled clinical trial to evaluate the efficacy and safety of VX-210 (NCT02669849). A subset of patients with acute traumatic cervical SCI is currently being enrolled in the United States and Canada. Medical, neurological, and functional changes are evaluated at 6 weeks and at 3, 6, and 12 months after VX-210 administration. Efficacy will be assessed by the primary outcome measure, change in upper extremity motor score at 6 months post-treatment, and by secondary outcomes that include question-based and task-based evaluations of functional recovery.

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관련 키워드

motor recovery

Rho inhibition

spinal cord injury

SPRING trial

VX-210

Publication History

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- motor recovery
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- spinal cord injury
- SPRING trial
- VX-210

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Abstract

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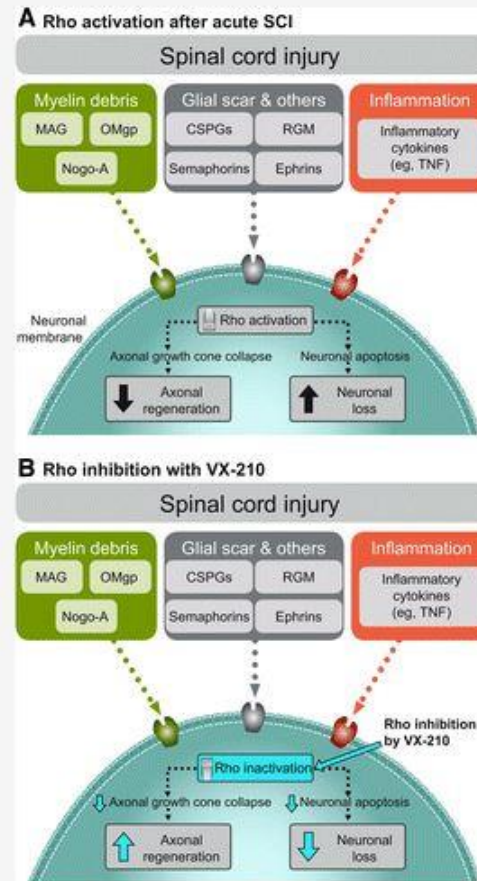


FIG. 1. SCI-mediated Rho (A) activation and (B) inhibition by VX-210. CSPG, chondroitin sulfate proteoglycan; MAG, myelin-associated glycoprotein; Nogo-A, neurite outgrowth inhibitory protein A; OMgp, oligodendrocyte-myelin glycoprotein; RGM, repulsive guidance molecule; TNF, tumor necrosis factor.



Rho Inhibitor VX-210 in Acute Traumatic Subaxial Cervical Spinal Cord Injury: Design of the SPinal Cord Injury Rho INhibition InvestiGation (SPRING) Clinical Trial

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References

1 National Spinal Cord Injury Statistical Center. Spinal cord injury facts and figures at a glance. 2017. Available at: <https://www.nscisc.uab.edu>. Accessed July 14, 2017.

2 SinghA., TetreaultL., Kalsi-RyanS., NouriA., and FehlingsM.G. (2014). Global prevalence and incidence of traumatic spinal cord injury. *Clin. Epidemiol.* 6, 309–331. Medline

3 AarabiB., SansurC.A., IbrahimID.M., SimardJ.M., HershD.S., LeE., DiazC., MassettiJ., and Akhtar-DaneshN. (2017). Intramedullary lesion length on postoperative magnetic resonance imaging is a strong predictor of ASIA impairment scale grade conversion following decompressive surgery in cervical spinal cord injury. *Neurosurgery* 80, 610–620. Crossref, Medline

4 World Health Organization. Spinal cord injury: fact sheet no. 384. 2013. Available at: <http://www.who.int/mediacentre/factsheets/fs384/en/>. Accessed July 14, 2017.

5 FehlingsM.G., VaccaroA., WilsonJ.R., SinghA., CadotteD.W., HarropJ.S., AarabiB., ShaffreyC., DvorakM., FisherC., ArnoldP., MassicotteE.M., LewisS., and RampersaudR. (2012). Early versus





Rho Inhibitor VX-210 in Acute Traumatic Subaxial Cervical Spinal Cord Injury: Design of the SPinal Cord Injury Rho INhibition InvestiGation (SPRING) Clinical Trial

Fehlings Michael G. , Kim Kee D., Aarabi Bizhan, Rizzo Marco, Bond Lisa M., McKerracher Lisa, Vaccaro Alexander R., and Okonkwo David O.

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Abstract

Traumatic spinal cord injury (SCI) is associated with a lifetime of disability stemming from loss of motor, sensory, and autonomic functions; these losses, along with increased comorbid sequelae, negatively impact health outcomes and quality of life. Early decompression surgery post-SCI can enhance patient outcomes, but does not directly facilitate neural repair and regeneration. Currently, there are no U.S. Food and Drug Administration–approved pharmacological therapies to augment motor function and functional recovery in individuals with traumatic SCI. After an SCI, the enzyme, Rho, is activated by growth-inhibitory factors and regulates events that culminate in collapse of the neuronal growth cone, failure of axonal regeneration, and, ultimately, failure of motor and functional recovery. Inhibition of Rho activation is a potential treatment for injuries such as traumatic SCI. VX-210, an investigational agent, inhibits Rho. When administered extradurally after decompression (corpectomy or laminectomy) and stabilization surgery in a phase 1/2a study, VX-210 was well tolerated. Here, we describe the design of the SPRING trial, a multicenter, phase 2b/3, randomized, double-blind, placebo-controlled clinical trial to evaluate the efficacy and safety of VX-210 (NCT02669849). A subset of patients with acute traumatic cervical SCI is currently being enrolled in the United States and Canada. Medical, neurological, and functional changes are evaluated at 6 weeks and at 3, 6, and 12 months after VX-210 administration. Efficacy will be assessed by the primary outcome measure, change in upper extremity motor score at 6 months post-treatment, and by secondary outcomes that include question-based and task-based evaluations of functional recovery.

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