

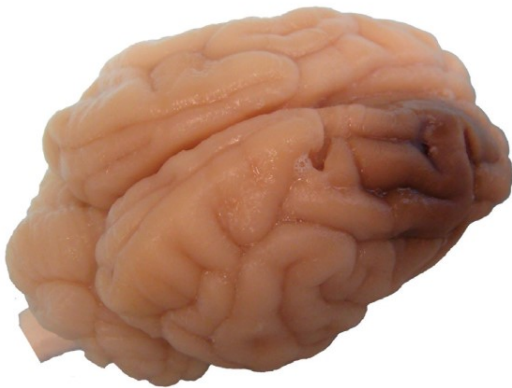
L-F. Zhou, G. Xi,
X-C. Chen, R. F. Keep,
F-P. Huang, Y. Hua,
Y-C. Lu, K. Muraszko
Editors

Cerebral Hemorrhage



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Preface

These are the proceedings of the 2nd International Symposium on Cerebral Hemorrhage, which was held on November 10–11th, 2007 in Shanghai, China. This symposium followed the successful first symposium held in Ann Arbor, Michigan, USA, in 2005. The aim of the conference was to bring together experts on cerebral hemorrhage from throughout the world to present and discuss data on this understudied form of stroke. The conference covered both clinical and basic science studies on cerebral hemorrhage and particularly intracerebral hemorrhage. Papers from the conference in these proceedings cover the full gamut, from molecular biology to clinical trials and epidemiology. They show that our knowledge of cerebral hemorrhage has greatly expanded in recent years and there is hope that this will be translated into new therapies for the clinic.

The symposium in Shanghai was a joint collaboration between Fudan University and the University of Michigan. It was to have been co-chaired by Professors Liang-Fu Zhou and Julian T. Hoff. Unfortunately, Professor Hoff died prior to the meeting and his

presence was sorely missed by all. This volume includes a paper on Professor Hoff and his contributions to the field of cerebral hemorrhage research by Dr. Karin Muraszko, who succeeded Dr. Hoff as Chair of Neurosurgery at the University of Michigan.

With the success of the 1st and 2nd symposia, there was a unanimous desire for these meetings to continue. The 3rd International Symposium on Cerebral Hemorrhage will be held in Palm Springs, USA, under the direction of Professors John Zhang and Austin Colohan of Loma Linda University. Symposium attendees look forward to a successful meeting in that city in November 2009. Plans are also underway to host a 4th meeting in Newcastle, England, in 2011.

The editors wish to thank Ms. Holly Wagner and the staff of Springer-Verlag for the commitment and editorial skills necessary to prepare these proceedings.

*Liang-Fu Zhou, Guohua Xi,
Xian-Cheng Chen, Richard F. Keep,
Feng-Ping Huang, Ya Hua, Yi-Cheng Lu,
Karin M. Muraszko*

Acknowledgments

The Editors would like to express their sincere thanks to those who made the 2nd International Symposium on Cerebral Hemorrhage possible. Thanks are due especially to the International Advisory Board and the Local Asian Organizing Committee.

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Contents

Special Article

Karin Muraszko:

Julian Theodore (Buz) Hoff 1936–2007 XI

Hoff Fellowships XIII

Experimental intracerebral hemorrhage – iron, hemoglobin and free radicals

Hua, Y., Keep, R. F., Hoff, J. T., Xi, G.:

Deferoxamine therapy for intracerebral hemorrhage 3

Clark, J. F., Loftspring, M., Wurster, W. L., Beiler, S., Beiler, C., Wagner, K. R., Pyne-Geithman, G. J.:

Bilirubin oxidation products, oxidative stress, and intracerebral hemorrhage 7

Song, S., Hua, Y., Keep, R. F., He, Y., Wang, J., Wu, J., Xi, G.:

Deferoxamine reduces brain swelling in a rat model of hippocampal intracerebral hemorrhage 13

Rojas, H., Lekic, T., Chen, W., Jadhav, V., Titova, E., Martin, R. D., Tang, J., Zhang, J.:

The antioxidant effects of melatonin after intracerebral hemorrhage in rats 19

Bao, X., Wu, G., Hu, S., Huang, F.:

Poly(ADP-ribose) polymerase activation and brain edema formation by hemoglobin after intracerebral hemorrhage in rats 23

He, Y., Hua, Y., Song, S., Liu, W., Keep, R. F., Xi, G.:

Induction of autophagy in rat hippocampus and cultured neurons by iron 29

Titova, E., Ostrowski, R. P., Rowe, J., Chen, W., Zhang, J. H., Tang, J.:

Effects of superoxide dismutase and catalase derivatives on intracerebral hemorrhage-induced brain injury in rats 33

Yamashita, S., Okauchi, M., Hua, Y., Liu, W., Keep, R. F., Xi, G.:

Metallothionein and brain injury after intracerebral hemorrhage 37

Experimental intracerebral hemorrhage – inflammation and thrombin

Sharp, F., Liu, D.-Z., Zhan, X., Ander, B. P.:

Intracerebral hemorrhage injury mechanisms: glutamate neurotoxicity, thrombin, and Src 43

Gong, Y., Xi, G., Hu, H., Gu, Y., Huang, F., Keep, R. F., Hua, Y.:

Increase of brain thrombin activity after experimental intracerebral hemorrhage 47

| | |
|--|----|
| <i>Gao, Z., Wang, J., Thiex, R., Rogove, A. D., Heppner, F. L., Tsirka, S. E.:</i> Microglial activation and intracerebral hemorrhage | 51 |
| <i>O'Lynnger, T., He, Y., Hu, H., Hua, Y., Muraszko, K. M., Xi, G.:</i> Concomitant intracerebral infusion of tissue plasminogen activator and thrombin leads to brain injury | 55 |
| <i>Wu, J., Yang, S., Xi, G., Song, S., Fu, G., Keep, R. F., Hua, Y.:</i> Microglial activation and brain injury after intracerebral hemorrhage | 59 |
| <i>Gong, Y., Xi, G., Wan, S., Gu, Y., Keep, R. F., Hua, Y.:</i> Effects of aging on complement activation and neutrophil infiltration after intracerebral hemorrhage | 67 |

Experimental intracerebral hemorrhage – other mechanisms

| | |
|--|-----|
| <i>Keep, R. F., Xiang, J., Ennis, S. R., Andjelkovic, A., Hua, Y., Xi, G., Hoff, J. T.:</i> Blood–brain barrier function in intracerebral hemorrhage | 73 |
| <i>Chopp, M., Li, Y.:</i> Treatment of stroke and intracerebral hemorrhage with cellular and pharmacological restorative therapies | 79 |
| <i>Titova, E., Kevil, C. G., Ostrowski, R. P., Rojas, H., Liu, S., Zhang, J. H., Tang, J.:</i> Deficiency of CD18 gene reduces brain edema in experimental intracerebral hemorrhage in mice | 85 |
| <i>Grossetete, M., Rosenberg, G. A.:</i> Tissue inhibitor of matrix metalloproteinase-3 (TIMP-3) lacks involvement in bacterial collagenase-induced intracerebral hemorrhage in mouse | 89 |
| <i>Nakamura, T., Kuroda, Y., Okabe, N., Shibuya, S., Kawai, N., Tamiya, T., Xi, G., Keep, R. F., Itano, T., Nagao, S.:</i> Radial glia marker expression following experimental intracerebral hemorrhage | 95 |
| <i>Hartman, R. E., Rojas, H. A., Lekic, T., Ayer, R., Lee, S., Jadhav, V., Titova, E., Tang, J., Zhang, J. H.:</i> Long-term effects of melatonin after intracerebral hemorrhage in rats | 99 |
| <i>Rohde, V., Uzma, N., Thiex, R., Samadani, U.:</i> Management of delayed edema formation after fibrinolytic therapy for intracerebral hematomas: preliminary experimental data | 101 |
| <i>Li, Y., Ogle, M. E., Wallace IV, G. C., Lu, Z.-Y., Yu, S. P., Wei, L.:</i> Erythropoietin attenuates intracerebral hemorrhage by diminishing matrix metalloproteinases and maintaining blood–brain barrier integrity in mice | 105 |
| <i>Qin, Z., Xi, G., Keep, R. F., Silbergleit, R., He, Y., Hua, Y.:</i> Hyperbaric oxygen for experimental intracerebral hemorrhage | 113 |
| <i>Titova, E., Ostrowski, R. P., Zhang, J. H., Tang, J.:</i> Effect of amantadine sulphate on intracerebral hemorrhage-induced brain injury in rats | 119 |

Experimental intracerebral hemorrhage – model development and characterization

| | |
|--|-----|
| <i>Hartman, R. E., Rojas, H., Tang, J., Zhang, J.:</i> Long-term behavioral characterization of a rat model of intracerebral hemorrhage | 125 |
| <i>Kuroiwa, T., Okauchi, M., Hua, Y., Schallert, T., Keep, R. F., Xi, G.:</i> Neurological deficits and brain edema after intracerebral hemorrhage in Mongolian gerbils | 127 |

| | |
|--|-----|
| <i>Lekic, T., Tang, J., Zhang, J. H.:</i> Rat model of intracerebellar hemorrhage | 131 |
|--|-----|

| | |
|--|-----|
| <i>Lekic, T., Tang, J., Zhang, J. H.:</i> A rat model of pontine hemorrhage | 135 |
|--|-----|

Human intracerebral hemorrhage

| | |
|---|-----|
| <i>Wang, Y. F., Wu, J. S., Mao, Y., Chen, X. C., Zhou, L. F., Zhang, Y.:</i> The optimal time-window for surgical treatment of spontaneous intracerebral hemorrhage: result of prospective randomized controlled trial of 500 cases | 141 |
|---|-----|

| | |
|---|-----|
| <i>Morgan, T., Zuccarello, M., Narayan, R., Keyl, P., Lane, K., Hanley, D.:</i> Preliminary findings of the minimally-invasive surgery plus rtPA for intracerebral hemorrhage evacuation (MISTIE) clinical trial. | 147 |
|---|-----|

| | |
|--|-----|
| <i>Xia, C. Y., Zhang, R., Mao, Y., Zhou, L. F.:</i> Pediatric cerebrovascular diseases: report of 204 cases | 153 |
|--|-----|

| | |
|--|-----|
| <i>Ding, H. Y., Han, X., Lv, C. Z., Dong, Q.:</i> Xenon-CT study of regional cerebral blood flow around hematoma in patients with basal ganglia hemorrhage | 161 |
|--|-----|

| | |
|---|-----|
| <i>Qiu, T. M., Zhang, Y., Wu, J. S.:</i> Preliminary application of pyramidal tractography in evaluating prognosis of patients with hypertensive intracerebral hemorrhage | 165 |
|---|-----|

Experimental intracranial hemorrhage (non-intracerebral hemorrhage)

| | |
|--|-----|
| <i>Rosell, A., Foerch, C., Murata, Y., Lo, E. H.:</i> Mechanisms and markers for hemorrhagic transformation after stroke. | 173 |
|--|-----|

| | |
|--|-----|
| <i>Ayer, R. E., Zhang, J. H.:</i> The clinical significance of acute brain injury in subarachnoid hemorrhage and opportunity for intervention. | 179 |
|--|-----|

| | |
|---|-----|
| <i>Su, H., Hao, Q., Shen, F., Zhu, Y., Lee, C. Z., Young, W. L., Yang, G. Y.:</i> Development of a cerebral microvascular dysplasia model in rodents | 185 |
|---|-----|

| | |
|--|-----|
| <i>Hu, S. L., Hu, R., Li, F., Liu, Z., Xia, Y. Z., Cui, G. Y., Feng, H.:</i> Hyperbaric oxygen preconditioning protects against traumatic brain injury at high altitude | 191 |
|--|-----|

Human intracranial hemorrhage (non-intracerebral hemorrhage)

| | |
|--|-----|
| <i>Kim, H., Marchuk, D. A., Pawlikowska, L., Chen, Y., Su, H., Yang, G. Y., Young, W. L.:</i> Genetic considerations relevant to intracranial hemorrhage and brain arteriovenous malformations. | 199 |
|--|-----|

| | |
|--|-----|
| <i>Pearl, J. D., Macdonald, R. L.:</i> Vasospasm after aneurysmal subarachnoid hemorrhage: need for further study | 207 |
|--|-----|

| | |
|---|-----|
| <i>Kawai, N., Nakamura, T., Tamiya, T., Nagao, S.:</i> Regional cerebral blood flow and oxygen metabolism in aneurysmal subarachnoid hemorrhage: positron emission tomography evaluation of clipping versus coiling | 211 |
|---|-----|

| | |
|---|-----|
| <i>Morgan, T., Awad, I., Keyl, P., Lane, K., Hanley, D.:</i> | |
| Preliminary report of the clot lysis evaluating accelerated resolution of intraventricular hemorrhage (CLEAR-IVH) clinical trial | 217 |
| <i>Xie, Q., Chen, X. C., Gong, Y., Gu, Y. X.:</i> | |
| Leptin plays a role in ruptured human brain arteriovenous malformations | 221 |
| <i>Lehmann, E., Sagher, O.:</i> | |
| Novel treatments for cerebral vasospasm following aneurysmal subarachnoid hemorrhage | 225 |
| <i>Li, M., Li, W., Wang, L., Hu, Y., Chen, G.:</i> | |
| Relationship between serum sodium level and brain ventricle size after aneurysmal subarachnoid hemorrhage | 229 |
| <i>Jiang, Y., Sun, X. C., Gui, L., Tang, W. Y., Zhen, L. P., Gu, Y. J., Wu, H. T.:</i> | |
| Lack of association between apolipoprotein E promoters in $\epsilon 4$ carriers and worsening on computed tomography in early stage of traumatic brain injury | 233 |
| Author index | 237 |
| Index of keywords | 239 |

Listed in Current Contents

Julian Theodore (Buz) Hoff 1936–2007

K. Muraszko

Department of Neurosurgery, University of Michigan Health System, MI, USA



On April 16, 2007 the world of neurosurgery lost one of its great leaders, Julian T. (Buz) Hoff. He passed away after a 7-month battle with acute leukemia and died peacefully at home with the comfort of his loving family. Although his life seemed to be cut short, it was a life well-lived and he will be missed.

Dr. Hoff was a graduate of Caldwell High School in Caldwell, Idaho. He received his A.B. degree from Stanford University and he attended Cornell Medical College, graduating in 1962. He completed his neurosurgical training at New York Hospital in 1970 and went on to the University of California at San Francisco where he quickly rose to the rank of professor. Dr. Hoff left San Francisco in 1981 to assume the position as head of the neurosurgery section here at the University of Michigan. He was appointed Richard C. Schneider Professor in 1992 and the section became the Department of Neurosurgery in 2001. Dr. Hoff served as the first chairman of the Department of Neurosurgery at the University of Michigan Health System from 2001 until 2005.

Buz had a distinguished career in neurosurgery, having served on the editorial boards of the major neurosurgical journals and as co-chair of the Editorial Board for the *Journal of Neurosurgery* from 1997 to 1999. He maintained continuous NIH funding from 1972 until the

present day. His most recent R01 focused on mechanisms of brain edema after intracerebral hemorrhage. He received the prestigious Jacob Javitz Award for Neuroscience Research twice, and was a member of the Institute of Medicine National Academy of Sciences since 1999. He received the Cushing Medal from the American Association of Neurological Surgeons, the Grass Prize from the Society of Neurological Surgeons, and was the honored guest of the Congress of Neurological Surgeons. He received the Distinguished Alumni Award from Caldwell High School in Caldwell, Idaho. He also received the Distinguished Service Award from the Society of Neurological Surgeons. He was the author of numerous papers, book chapters, plus the editor of several books.

Buz's research career was a distinguished one. His first publication was on cerebral hemangioblastomas in a patient with Von Hippel–Lindau disease. As he progressed through his residency he continued to publish. In his early career he became very interested in cerebral edema, and specifically, intracerebral hemorrhage. In the 1970s he published a series of papers looking at the effects of alpha-adrenergic blockade on cerebral circulation as well as the effect of hypoxia on the Cushing reflex in intracranial pressure. He looked at various mechanisms to abate injury secondary to cerebral edema. His research interests focused on intracranial pressure and the effects of hematoma, both intraparenchymal as well as subdural, in patients with head injury. As a result of his outstanding research, he was awarded the Grass Award by the Society of Neurological Surgeons in 2002. The selection committee particularly commented on his sustained interest in cerebral edema and the important contributions he and his laboratory made to our understanding of cerebral edema under a variety of circumstances.

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Buz's contributions within the laboratory were also notable for his significant ability to mentor young faculty as well as residents in the pursuit of academic careers. At present, there are 5 chairs of neurosurgical departments who trained under Buz and who received mentoring and tutelage from him with respect to their academic careers. He sponsored numerous residents in the laboratory and consistently provided protected time for laboratory work during residency training. Numerous residents went on to win awards by the Congress of Neurological Surgeons as well as the American Association of Neurological Surgeons. Many also received funding from the Neurosurgery Research and Education Foundation (NREF).

Buz served in executive positions in every major neurosurgical society including the American Academy of Neurological Surgeons, as president of the American Association of Neurological Surgeons, and as vice-president of the Congress of Neurological Surgeons. He was a member of the Residency Review Committee for neurosurgery from 1987 to 1993 and continued to serve on the appeals panel for neurosurgery. Within the University of Michigan he served on a variety of committees. Whenever a complex job needed to be done, Buz was always selected to perform that job, and he did so with wisdom and an affable personality.

An Eagle Scout in his early life, Dr. Hoff was particularly beloved for his strong leadership abilities that were displayed in a collegial and kind fashion. In choosing residents, he often indicated that he employed the lessons learned in his early life with the Boy Scouts. A strong advocate of resident education, he sought to create a collegial environment in which even the most complex political and scientific issues could be discussed in a manner of warmth and openness.

Dr. Hoff was particularly pleased that in 2006, the Department of Neurosurgery completed an endowed chair honoring him. Dr. Karin Muraszko serves as the first Julian T. Hoff Professor of Neurosurgery and Chair of the Department of Neurosurgery. The Department has also established a Resident Education and Research Fund in Dr. Hoff's name to continue his outstanding legacy of leadership in academic neurosurgery and his longstanding support of residency education. A Hoff Lectureship has now been established in the Department of Neurosurgery and is associated with a Hoff Alumni Day. Dr. John McGillicuddy will give the first Hoff Lectureship this summer.

Dr. Hoff is survived by his wife of 45 years, Diane (Shanks) Hoff, and by 3 children, Paul Hoff, MD (Donna Hoff, MD), Allison Hoff, MA, and Julia Haughey, MSW (Michael Haughey). He leaves 5 grandchildren, Lauren Hoff, Kiersten Hoff, Kathryn Haughey, Kelly Haughey, and Charles Haughey.

A memorial service at the First Presbyterian Church in Ann Arbor, Michigan on May 19, 2007 celebrated Dr. Hoff's outstanding life. It was a time in which friends from around the world gathered in memory of a truly outstanding leader and great friend to neurosurgery. All who have had the privilege of knowing Dr. Hoff will remember him for his wonderful smile, his bright eyes, and his unfailingly pleasant personality. Behind all this was a blazing intellect that has left behind a legacy of outstanding scholarship, strong national leadership, and a personal ethical and moral compass to which we all aspire. Dr. Hoff's legacy goes beyond a summary of his many accomplishments and is reflected by a generation of scientists, residents, colleagues, patients, and friends who felt honored and privileged to know him, and who lead lives that will forever be influenced by his presence.

Hoff Fellowships

To honor the memory of Dr. Julian T. Hoff and his contributions to the field of intracerebral hemorrhage research, a number of fellowships were established to allow young scientists and clinicians to attend and present at the 2nd International Symposium on Cerebral Hemorrhage in Shanghai. The awardees are to be applauded for their research. They were as follows:

Xuhui Bao, Department of Neurosurgery, Fudan University, China

Tim Lekic, Department of Physiology, Loma Linda University, USA

Timothy Morgan, Department of Neurology, Johns Hopkins University, USA

Molly E. Ogle, Department of Pathology, Laboratory Medicine, Medical University of South Carolina, USA

Qing Xie, Department of Neurosurgery, Fudan University, China

Feng Zhou, Department of Neurosurgery, 2nd Affiliated Hospital, Zhejiang University, China