**Comparative Efficacy of Five Most Common Traditional Chinese Medicine Monomers for promoting recovery of motor function in Rats with Blunt Spinal Cord Injury: A Network Meta-Analysis**

**Table S1: Chinese and English search strategies**

|  |
| --- |
| **PubMed**  #1"Spinal Cord Injuries"[Mesh] 54518  #2"Spinal cord injury"[Title/Abstract] OR "Spinal injury"[Title/Abstract] OR "Spinal Cord Trauma"[Title/Abstract] OR "Cord Trauma, Spinal"[Title/Abstract] OR "Cord Traumas, Spinal"[Title/Abstract] OR "Spinal Cord Traumas"[Title/Abstract] OR "Trauma, Spinal Cord"[Title/Abstract] OR "Traumas, Spinal Cord"[Title/Abstract] OR "Myelopathy, Traumatic"[Title/Abstract] OR "Myelopathies, Traumatic"[Title/Abstract] OR "Traumatic Myelopathies"[Title/Abstract] OR "Traumatic Myelopathy"[Title/Abstract] OR "Injuries, Spinal Cord"[Title/Abstract] OR "Cord Injuries, Spinal"[Title/Abstract] OR "Cord Injury, Spinal"[Title/Abstract] OR "Injury, Spinal Cord"[Title/Abstract] OR "Spinal Cord Transection"[Title/Abstract] OR "Spinal Cord Laceration"[Title/Abstract] OR "Cord Laceration, Spinal"[Title/Abstract] OR "Cord Lacerations, Spinal"[Title/Abstract] OR "Laceration, Spinal Cord"[Title/Abstract] OR "Lacerations, Spinal Cord"[Title/Abstract] OR "Post-Traumatic Myelopathy"[Title/Abstract] OR "Myelopathies, Post-Traumatic"[Title/Abstract] OR "Myelopathy, Post-Traumatic"[Title/Abstract] OR "Post Traumatic Myelopathy"[Title/Abstract] OR "Post-Traumatic Myelopathies"[Title/Abstract] OR "Contusion, Spinal Cord"[Title/Abstract] OR "Contusions, Spinal Cord"[Title/Abstract] OR "Cord Contusion, Spinal"[Title/Abstract] OR "Cord Contusions, Spinal"[Title/Abstract] OR "Spinal Cord Contusions"[Title/Abstract] OR "Spinal Cord Contusion"[Title/Abstract] 45389  #3 #1 OR #2 69230  #4 "Curcumin"[Mesh] 13900  #5 "turmeric yellow"[Title/Abstract] OR "yellow turmeric"[Title/Abstract] OR "curcumin phytosome"[Title/Abstract] OR "Diferuloylmethane"[Title/Abstract] 398  #6 #4 OR #5 13963  #7 "Ginsenosides"[Mesh] 4814  #8 "Panaxosides"[Title/Abstract] OR "Ginsenoside"[Title/Abstract] 5168  #9 #7 OR #8 6494  #10 "Resveratrol"[Mesh] 10433  #11 "3 5 4 trihydroxystilbene"[Title/Abstract] OR "3 4 5 trihydroxystilbene"[Title/Abstract] OR "trans-Resveratrol-3-O-sulfate"[Title/Abstract] OR "SRT-501"[Title/Abstract] OR "cis-Resveratrol"[Title/Abstract] OR "trans-Resveratrol"[Title/Abstract] OR "Resveratrol-3-sulfate"[Title/Abstract] 1626  #12 #10 OR #11 10902  #13 "tanshinone" [Supplementary Concept] 1391  #14 "tanshinone i"[Title/Abstract] OR "TTE-50"[Title/Abstract] OR "tanshinone ii a"[Title/Abstract] OR "tanshinone iia"[Title/Abstract] OR "tanshinone ii b"[Title/Abstract] OR "tanshinone iib"[Title/Abstract] 1737  #15 #13 OR #14 2055  #16 "tetramethylpyrazine" [Supplementary Concept] 1029  #17 "ligustrazine"[Title/Abstract] OR "TMPZ"[Title/Abstract] OR "chuanxiongzine"[Title/Abstract] OR "tetramethyl pyrazine"[Title/Abstract] OR "tetramethylpyrazine hydrochloride"[Title/Abstract] OR "Liqustrazine"[Title/Abstract] 598  #18 #16 OR #17 1183  #19 #6 OR #9 OR #12 OR #15 OR #18 34123  #20 #3 AND #19 136  **Web of science**  TS=(Spinal cord injury OR Spinal Cord Injuries OR Spinal injury OR Spinal Cord Trauma OR Spinal Cord Transection OR Spinal Cord Laceration OR Post-Traumatic Myelopathy OR Spinal Cord Contusion) AND TS=(curcumin OR Turmeric Yellow OR Yellow, Turmeric OR Curcumin Phytosome OR Diferuloylmethane OR ginsenosides OR Panaxosides OR Ginsenoside OR Resveratrol OR 3,5,4'-Trihydroxystilbene OR 3,4',5-Trihydroxystilbene OR trans-Resveratrol-3-O-sulfate OR SRT-501 OR cis-Resveratrol OR trans-Resveratrol OR Resveratrol-3-sulfate OR tanshinone OR tanshinone I OR TTE-50 OR tanshinone II A OR tanshinone IIA OR tanshinone II B OR tanshinone IIB OR Tetramethylpyrazine OR ligustrazine OR TMPZ OR chuanxiongzine OR tetramethylpyrazine OR tetramethylpyrazine hydrochloride OR Liqustrazine) 395  **Embase**  #1: spinal cord injury'/exp 90,788  #2. 'spinal injury':ab,ti 5,711  #3. 'spinal cord injuries':ab,ti 7,192  #4. 'spinal cord injury':ab,ti 52,646  #5. 'spinal cord trauma':ab,ti 1,109  #6. 'spinal cord transection':ab,ti 1,763  #7. 'spinal cord laceration':ab,ti 4  #8. 'post-traumatic myelopathy':ab,ti 16  #9. 'spinal cord contusion':ab,ti 917  #10. #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 100,202  #11. 'curcumin'/exp 33,211  #12. 'turmeric yellow':ab,ti 4  #13. 'yellow, turmeric':ab,ti 1  #14. 'curcumin phytosome':ab,ti 12  #15. 'diferuloylmethane':ab,ti 498  #16. #11 OR #12 OR #13 OR #14 OR #15 33,224  #17. 'ginsenosides'/exp 5,090  #18. 'panaxosides':ab,ti 5  #19. 'ginsenoside':ab,ti 6,126  #20. #17 OR #18 OR #19 8,611  #21. 'resveratrol'/exp 27,223  #22. 'trans-resveratrol-3-o-sulfate':ab,ti 15  #23. 'srt-501':ab,ti 2  #24. 'cis-resveratrol':ab,ti 139  #25. 'trans-resveratrol':ab,ti 1,342  #26. 'resveratrol-3-sulfate':ab,ti 19  #27. #21 OR #22 OR #23 OR #24 OR #25 OR #26 27,365  #28. 'tanshinone'/exp 1,340  #29. 'tanshinone i':ab,ti 419  #30. 'tte-50':ab,ti 10  #31. 'tanshinone ii a':ab,ti 432  #32. 'tanshinone iia':ab,ti 1,695  #33. 'tanshinone ii b':ab,ti 3  #34. 'tanshinone iib':ab,ti 26  #35. #28 OR #29 OR #30 OR #31 OR #32 OR #33 OR #34 2,989  #36. 'tetramethylpyrazine'/exp 2,050  #37. 'ligustrazine':ab,ti 743  #38. 'tmpz':ab,ti 33  #39. 'chuanxiongzine':ab,ti 13  #40. 'tetramethyl pyrazine':ab,ti 32  #41. 'tetramethylpyrazine hydrochloride':ab,ti 18  #42. 'liqustrazine':ab,ti 3  #43. #36 OR #37 OR #38 OR #39 OR #40 OR #41 OR #42 2,125  #44. #16 OR #20 OR #27 OR #35 OR #43 69,409  #45. #10 AND #44 338  **CNKI/高级检索; CNKI / Advanced Search**  主题:脊髓损伤 AND (姜黄素 OR 人参皂苷 OR 白藜芦醇 OR 丹参酮 OR 川芎嗪) (305)  Subject: spinal cord injury AND (curcumin OR ginsenoside OR Resveratrol OR tanshinone OR Tetramethylpyrazine) (305)  **万方/高级检索; Wanfang database/ Advanced Search**  主题:脊髓损伤 AND (姜黄素 OR 人参皂苷 OR 白藜芦醇 OR 丹参酮 OR 川芎嗪) (238)  Subject: spinal cord injury AND (curcumin OR ginsenoside OR Resveratrol OR tanshinone OR Tetramethylpyrazine) (238)  **VIP/高级检索; VIP database/ Advanced Search**  题名或关键词: 脊髓损伤 AND (姜黄素 OR 人参皂苷 OR 白藜芦醇 OR 丹参酮 OR 川芎嗪) (139)  Title or keyword: spinal cord injury AND (curcumin OR ginsenoside OR Resveratrol OR tanshinone OR Tetramethylpyrazine) (139)  **CBM/高级检索; CBM / Advanced Search**  #1:" Spinal cord injury "[unweighted, extended] 62455  #2:" Spinal cord injury "[common field: smart] 81316  #3:#1 OR #2 81316  #4:"curcumin"[unweighted, extended] 25560  #5: "curcumin"[common field: smart] 18341  #6:"ginsenosides"[unweighted, extended] 4562  #7: "ginsenoside"[common field: smart] 14525  #8:"Resveratrol"[unweighted, extended] 3230  #9: "Resveratrol"[common field: smart] 19950  #10:"tanshinone"[unweighted, extended] 5331  #11: "tanshinone"[common field: smart] 9160  #12:"Tetramethylpyrazine"[unweighted, extended] 7421  #13: "Tetramethylpyrazine"[common field: smart] 10463  #14:#4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 78090  #15:#3 AND #14 276 |

**Table S2: Basic information of included studies**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Number** | **Author,**  **year** | **Country** | **Type of study** | **Baseline characteristics** | | | | **Sample size（Experience/Control）** | **Model** | | | **Interventions** | | | **Follow up** |
| **Species** | **Gender** | **Weight** | **Age** | **Injury pathway** | **Location** | **Damage energy** | **Medication** | **Concentration/dose** | **Route** |
| 1 | Fan,  2023 | China | RCT | SD rats | / | 200±20g | / | 12/12 | Contusion | T9-11 | / | TMP | 80mg/kg,once per day for 28d | IP | 1w,2w,3w,4w |
| 2 | Su,  2022 | China | RCT | SD rats | Female | 200-220g | 8w | 13/13 | Contusion | T10 | 60gcm | CUR | 100mg/kg,once per day for 7d | IP | 1w,2w,4w |
| 3 | Shen,  2022 | China | RCT | SD rats | Female | 180-220g | Adult | 10/10 | Contusion | T9-10 | 40gcm(10g×4cm) | GS Rg1 | 100mg/kg,once per day,daily for consecutive days | IP | 1w,2w,3w,4w |
| 4 | Zhang,  2022 | China | RCT | SD rats | Female | 250±20g | 8w | 6/6 | Contusion | T10 | 50gcm(10g×5cm) | GS Rg1 | 10mg/kg,once per day for 14d | IP | 1w,2w,3w,4w |
| 5 | Li,  2021 | China | Control | SD rats | Male | 235±15g | 8w | 10/10 | Contusion | T9-11 | 20gcm(10g×2cm) | CUR | 60mg/kg,30min following the contusion and continued weekly for 3 weeks | IM | 1w,2w,3w,4w |
| 6 | Zhao,  2021 | China | RCT | SD rats | Female | 180-200g | 8-12w | 5/5 | Contusion | T9-10 | 30gcm(10g×3cm) | RSV | 30mg/kg,once per day for 7d | IP | 1w,2w,3w,4w |
| 7 | Chen,  2020 | China | RCT | SD rats | Female | 240-260g | / | 20/10 | Contusion | T9-10 | 50gcm(10g×5cm) | CUR | A.40mg/kg B.100mg/kg,once per day for 7d | IP | 1w |
| 8 | Zhang,  2020 | China | RCT | SD rats | Male | 200-230g | 6-8w | 6/6 | Contusion | T9 | 25gcm(10g×2.5cm) | TMP | 100mg/kg,once per day for 14d | IP | 1w,2w |
| 9 | Fan,  2020 | China | RCT | SD rats | Male | 230-250g | 16w | 5/5 | Contusion | / | / | RSV | 100mg/kg,once per day for 14d | IP | 1w,2w,4w |
| 10 | Liu,  2019 | China | RCT | SD rats | Male | 220-250g | Adult | 6/6 | Contusion | T9-10 | 25gcm(10g×2.5cm) | RSV | 100mg/kg,once per day for 35d | IP | 1w,2w,3w,4w |
| 11 | Yu,  2019 | China | RCT | SD rats | Female | 230g | Adult | 5/5 | Contusion | T9 | 50gcm(10g×5cm) | RSV | 50mg/kg after SCI,25mg/kg from the second day of SCI to the seventh day | IP | 1w,2w,3w,4w |
| 12 | Bang,  2018 | Korea | RCT | SD rats | Male | 290-310g | Adult | 20/20 | Compression | T9 | 30g,  2min | CUR | 10μL of 1μm per day for 7d | IT | 1w,2w,3w,4w |
| 13 | Ruzicka,  2018 | Czech Republic | RCT | Wistar rats | / | 300±15g | 12w | 12/19 | Compression | T8 | 15µL balloon,5min | CUR | 60mg/kg(IT), once a week,4 times;  6mg/kg(IP), once per day for 28d | IT+IP | 1w,2w,3w,4w |
| 14 | Ruzicka,  2018 | Czech Republic | RCT | Wistar rats | Male | 300±15g | 10w | 13/10 | Compression | T8 | 15µL balloon,5min | CUR | 60mg/kg(IM)(1,7, 14, 21 and 28 days post-SCI);  6 mg/kg(IP), once per day for 28d | IM+IP | 1w,2w,3w,4w |
| 15 | Meng,  2018 | China | Control | SD rats | Male | 250-300g | 8-12w | 5/5 | Contusion | T9-10 | 25gcm(10g×2.5cm) | RSV | 100mg/kg,single dose | IP | 1w,2w,3w |
| 16 | Wang,  2018 | China | RCT | SD rats | Female | 200-250g | Adult | 5/5 | Contusion | T10 | 25gcm(10g×2.5cm) | RSV | 200mg/kg,once per day for 3d | IP | 1w,2w,3w,4w |
| 17 | Liu,  2018 | China | RCT | SD rats | Female and Male | 220-260g | 7w | 10/10 | Contusion | T10 | 50gcm(10g×5cm) | GS Rb1 | 10mg/kg,once per day for 7d | IP | 1w,2w,3w,4w |
| 18 | Wang,  2018 | China | RCT | SD rats | Male | 200-220g | Adult | 6/6 | Compression | T7-10 | 30g,  1min | GS Rb1 | 20mg/kg,once per day for 28d | IP | 1w,2w,3w,4w |
| 19 | Li,  2018 | China | RCT | SD rats | Female | 200-220g | 8w | 5/5 | Contusion | T10 | 25gcm(10g×2.5cm) | GS Rg1 | 30mg/kg,once per day for 7d | IP | 1w,2w,3w,4w |
| 20 | Zhang,  2018 | China | RCT | SD rats | Female | 200-220g | 7w | 12/12 | Compression | T9-10 | 0.6N,  1min | TIIA | 30mg/kg,single dose before SCI;  20mg/kg,once per day after SCI for 7d | IV | 1w,2w,3w,4w |
| 21 | Hao,  2017 | China | RCT | SD rats | Female | 200-220g | Adult | 21/7 | Contusion | / | / | CUR | A.50mg/kg B.100mg/kg C.200mg/kg,single dose | IP | 1w,2w,3w,4w |
| 22 | Hao,  2017 | China | RCT | SD rats | Female | 200-220g | Adult | 7/7 | Contusion | T10 | 200 kdyn/cm2 | CUR | 100mg /kg,once per day for 3d | Oral | 1w,2w,3w,4w |
| 23 | Hu,  2017 | China | RCT | SD rats | Male | 180-220g | Adult | 5/5 | Contusion | T10 | 32gcm(8g×4cm) | TMP | 200mg/kg,once per day for 5d | IP | 1w,2w,3w,4w |
| 24 | Chen,  2017 | China | RCT | SD rats | / | / | / | 39/39 | Contusion | T10 | 28gcm(7g×4cm) | TMP | 200mg/kg,once per day for 5d | / | 1w,2w,3w |
| 25 | Zhao,  2017 | China | RCT | SD rats | Female | 220-240g | / | 5/5 | Contusion | T9-10 | 30gcm(10g×3cm) | RSV | 100mg/kg,single dose | IP | 1w,2w,3w,4w |
| 26 | Kim,  2017 | Korea | RCT | SD rats | Male | 280-300g | 12w | 36/18 | Compression | T10 | 35g,  5min | GS Rg3 | A.10mg/kg B.30mg/kg,once per day for 14d | Oral | 1w,2w |
| 27 | Yao,  2017 | China | RCT | SD rats | Male | 240-260g | 6-7w | 4/4 | Contusion | T9-11 | 25gcm(10g×2.5cm) | TIIA | 30mg/kg,once per day for 7d | IP | 1w |
| 28 | Yang,  2016 | China | RCT | SD rats | Female | 250-300g | Adult | 10/10 | Contusion | T9-11 | 9gcm(3g×3cm) | CUR | 200mg/kg,once per day for 7d | IP | 1w,2w,3w |
| 29 | Hu,  2016 | China | RCT | SD rats | Male | 250-300g | Adult | 5/5 | Contusion | T10 | 32gcm(8g×4cm) | TMP | 200mg/kg,once per day for 5d | IP | 1w,2w,3w,4w |
| 30 | Huang,  2016 | China | RCT | SD rats | Male | 180-220g | Adult | 4/4 | Contusion | T10 | 32gcm(8g×4cm) | TMP | 200mg/kg,once per day for 3d | IP | 1w,2w,3w,4w |
| 31 | Su,  2016 | China | RCT | SD rats | Female and Male | 300-350g | 12-24w | 10/10 | Compression | T2 | 30g,  1min | TMP | 200mg/kg,once per day for 14d | IP | 2w |
| 32 | Xiong,  2016 | China | RCT | SD rats | Male | 200-230g | Adult | 6/6 | Contusion | T9 | 50gcm(10g×5cm) | TMP | 200mg/kg,once per day for 10d | IP | 1w,2w,4w |
| 33 | Cong,  2016 | China | RCT | SD rats | Female | 250-300g | Adult | 54/18 | Contusion | T8 | 50gcm(10g×5cm) | GS Rd | A.12.5mg/kg B.25mg/kg C.50mg/kg,once per day for 14d | IP | 1w,2w |
| 34 | Yang,  2016 | China | RCT | SD rats | Female | 220-250g | Adult | 11/11 | Compression | T9 | 25gcm(10g×2.5cm) | TIIA | 20mg/kg,once per day for 7d | IV | 1w,2w,4w |
| 35 | Li,  2016 | China | RCT | SD rats | Female | 200g | Adult | 20/20 | Contusion | T9 | 50gcm(10g×5cm) | RSV | 100mg/kg,once per day | IP | 1w,2w,3w,4w |
| 36 | Machova,  2015 | Czech Republic | RCT | Wistar rats | Male | 300±15g | 10w | 5/5 | Compression | T9-10 | 15µL balloon,5min | CUR | 6 mg/kg,once per day for 28d | IP | 1w,2w,3w,4w |
| 37 | Hu,  2015 | China | RCT | SD rats | Male | 220-250g | Adult | 5/5 | Contusion | T10 | 24gcm(8g×3cm) | TMP | 80mg/kg,5 consecutive days from day 3 post-injury | IP | 1w,2w,3w,4w |
| 38 | Wang,  2015 | China | RCT | SD rats | Male | 250g | Adult | 10/10 | Contusion | T8 | 50gcm(10g×5cm) | TMP | 200mg/kg,once per day for 10d | IP | 1w,2w,3w |
| 39 | Zhang,  2015 | China | RCT | SD rats | Female and Male | 250±20g | Adult | 5/5 | Contusion | T9 | 50gcm(20g×2.5cm) | TMP | 200mg/kg,once per day for 7d | IP | 1w,2w |
| 40 | Sun,  2015 | China | RCT | SD rats | Male | 220-240g | 6-8w | 19/18 | Contusion | T8 | 25gcm | GS Rg1 | 10mg/kg,once per day for 14d | IP | 2w |
| 41 | Kim,  2014 | Korea | RCT | SD rats | Male | 290-310g | Adult | 8/8 | Compression | T9 | 30g,  2min | CUR | 200mg/kg,once per day for 7d | IP | 1w,2w |
| 42 | Yu,  2014 | China | RCT | SD rats | Male | 210-260g | / | 6/6 | Compression | T8-10 | 20g,  5min | CUR | 150mg/kg,once per day for 3d | IP | 1w,2w,3w |
| 43 | Zu,  2014 | China | RCT | SD rats | Male | 200-250g | Adult | 8/8 | Contusion | T8-10 | 150gcm(30g×5cm) | CUR | 40mg/kg,single dose | IP | 1w,2w |
| 44 | Xiang,  2014 | China | RCT | SD rats | Male | 250±20g | Adult | 30/30 | Compression | T9-10 | 70g,  1min | CUR | 200mg/kg,once per day for 7d | IP | 1w,2w,4w |
| 45 | Hu,  2013 | China | RCT | SD rats | Male | 250-300g | Adult | 5/5 | Contusion | T10 | 25gcm(5g×5 cm) | TMP | 200mg/kg,once per day for 5d | IP | 1w,2w,3w |
| 46 | Wang,  2013 | China | RCT | SD rats | Female and Male | 250-270g | Adult | 5/5 | Contusion | T10 | 25gcm(10g×2.5cm) | TMP | 200mg/kg,once per day for 5d | IP | 1w,2w,3w,4w |
| 47 | Qi,  2013 | China | RCT | SD rats | Female | 200-250g | / | 12/6 | Contusion | T9-10 | 50gcm(10g×5 cm) | CUR | A.40mg/kg B.100mg/kg,once per day for 7d | IP | 1w |
| 48 | Xiao,  2012 | China | RCT | SD rats | Female and Male | 250-300g | Adult | 5/5 | Contusion | T10 | 25gcm(5g×5cm) | TMP | 200mg/kg,once per day for 5d | IP | 1w,2w,3w |
| 49 | Yin,  2012 | China | RCT | SD rats | Male | 220-250g | Adult | 6/6 | Contusion | T9-11 | 25gcm(10g×2.5cm) | TIIA | 50 mg/kg,single dose before SCI; 20mg/kg,once per day after SCI for 7d | IP | 1w |
| 50 | Ormond,  2012 | USA | Control | SD rats | Female | 200-250g | Adult | 8/6 | Contusion | T9-10 | 12.5gcm(10g×1.25cm) | CUR | 60mg/kg,once per week for 6w | Epidural injection | 1w,2w,3w,4w |
| 51 | Zou,  2011 | China | RCT | Wistar rats | Female | 200±20g | 8w | 24/6 | Compression | T9-10 | 50g,  1min | CUR | A.300mg/kg,single dose;  B.30mg/kg C.100mg/kg  D.300mg/kg,once per day for 7d | IP | 1w,2w,4w |
| 52 | Qi,  2011 | China | RCT | SD rats | Male | 230±10g | Adult | 6/6 | Contusion | T9-11 | 40gcm(10g×4cm) | TMP | 40mg/per rat,single dose before SCI;  20mg/per rat,once per day after SCI for 14d | IP | 1w,2w |
| 53 | Zhou,  2010 | China | RCT | SD rats | Female and Male | 200-250g | Adult | 5/5 | Contusion | T10 | 20gcm(5g×4cm) | TMP | 200mg/kg,once per day for 5d | IP | 1w,2w,3w |
| 54 | Huang,  2010 | China | RCT | SD rats | Male | 250-300g | 24-36w | 10/10 | Contusion | T10 | 25gcm(5g×5cm) | TMP | 200mg/kg,once per day for 5d | IP | 1w,2w,3w |
| 55 | Li,  2009 | China | RCT | SD rats | Female and Male | 250-300g | Adult | 5/5 | Contusion | T10 | 25gcm(5g×5cm) | TMP | 200mg/kg,once per day for 5d | IP | 1w,2w |
| 56 | Song,  2009 | China | RCT | SD rats | Female | 200-250g | / | 6/6 | Contusion | T9 | 50gcm(5g×10cm) | GS | 5mg/kg,once per day for 14d | IP | 1w,2w |
| 57 | Li,  2008 | China | RCT | SD rats | Male | 250-300g | Adult | 5/5 | Contusion | T10 | 25gcm(5g×5cm) | TMP | 200mg/kg,once per day for 5d | IP | 1w,2w |
| 58 | Li,  2007 | China | RCT | SD rats | Female and Male | 200-250g | Adult | 5/5 | Contusion | T10 | 20gcm(5g×4cm) | TMP | 200mg/kg,once per day for 5d | IP | 1w,2w,3w |
| 59 | Sun,  2004 | China | RCT | SD rats | Female | 200-250g | 16w | 8/8 | Contusion | T6-10 | 25gcm(10g×2.5cm) | TMP | 200mg/kg,once per day for 6d | IP | 1w |

**Table S3: Ranking plot of motor function recovery in the first week after treatment with TCM Monomers**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Rank/Drugs** | **CUR** | **TMP** | **RSV** | **GS** | **TIIA** | **Placebo** |
| **Rank 1** | 0.001 | 0.014 | 0.291 | 0.108 | 0.586 | 0 |
| **Rank 2** | 0.01 | 0.088 | 0.415 | 0.264 | 0.224 | 0 |
| **Rank 3** | 0.053 | 0.293 | 0.195 | 0.349 | 0.112 | 0 |
| **Rank 4** | 0.187 | 0.48 | 0.076 | 0.201 | 0.057 | 0 |
| **Rank 5** | 0.749 | 0.127 | 0.023 | 0.079 | 0.021 | 0 |
| **Rank 6** | 0 | 0 | 0 | 0 | 0 | 1 |

**Table S4: Ranking plot of motor function recovery in the second week after treatment with TCM Monomers**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Rank/Drugs** | **CUR** | **TMP** | **RSV** | **GS** | **TIIA** | **Placebo** |
| **Rank 1** | 0.006 | 0.048 | 0.543 | 0.176 | 0.228 | 0 |
| **Rank 2** | 0.028 | 0.191 | 0.274 | 0.328 | 0.179 | 0 |
| **Rank 3** | 0.1 | 0.354 | 0.116 | 0.272 | 0.158 | 0 |
| **Rank 4** | 0.306 | 0.316 | 0.05 | 0.165 | 0.164 | 0 |
| **Rank 5** | 0.561 | 0.091 | 0.017 | 0.06 | 0.272 | 0 |
| **Rank 6** | 0 | 0 | 0 | 0 | 0 | 1 |

**Table S5: Ranking plot of motor function recovery in the third week after treatment with TCM Monomers**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Rank/Drugs** | **CUR** | **TMP** | **RSV** | **GS** | **TIIA** | **Placebo** |
| **Rank 1** | 0.045 | 0.135 | 0.373 | 0.362 | 0.085 | 0 |
| **Rank 2** | 0.118 | 0.271 | 0.303 | 0.249 | 0.06 | 0 |
| **Rank 3** | 0.224 | 0.335 | 0.188 | 0.187 | 0.066 | 0 |
| **Rank 4** | 0.436 | 0.211 | 0.103 | 0.15 | 0.1 | 0 |
| **Rank 5** | 0.177 | 0.049 | 0.032 | 0.053 | 0.553 | 0.136 |
| **Rank 6** | 0 | 0 | 0 | 0 | 0.136 | 0.864 |

**Table S6: Ranking plot of motor function recovery in the fourth week after treatment with TCM Monomers**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Rank/Drugs** | **CUR** | **TMP** | **RSV** | **GS** | **TIIA** | **Placebo** |
| **Rank 1** | 0.002 | 0.005 | 0.451 | 0.391 | 0.15 | 0 |
| **Rank 2** | 0.019 | 0.035 | 0.376 | 0.373 | 0.197 | 0 |
| **Rank 3** | 0.164 | 0.185 | 0.144 | 0.183 | 0.325 | 0 |
| **Rank 4** | 0.404 | 0.378 | 0.024 | 0.04 | 0.153 | 0 |
| **Rank 5** | 0.411 | 0.398 | 0.004 | 0.012 | 0.174 | 0 |
| **Rank 6** | 0 | 0 | 0 | 0 | 0 | 1 |

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