

Additional Table 1 Summary of studies reporting complement activation and deposition after SCI						
Study	Species	Model	Model detail	Groups	Time from injury	SCI associated changes
Anderson et al., 2004	Long Evans rats	Contusion-induced SCI	Weight drop T10-12	SCI vs. Sham	1 and 42 days	Deposition of C1q, fB, C3b, and C5b-9 on neurons and glia
Qiao et al., 2006	C57bl6 mice	Contusion-induced SCI	Weight drop T12	SCI vs. Sham	1 and 3 days	Perilesional deposition of C3 , more prominent on day 3 versus 1
Brennan et al., 2015	C57bl6 mice	Contusion-induced SCI	Controlled impactor T9	SCI vs. Sham	4 and 7 days	Increased spinal cord and plasma C5a levels
Anderson et al., 2005	Long Evans rats	Contusion-induced SCI	Weight drop T10-12	SCI vs. Sham	1 and 42 days	Increased fB and clusterin deposition rostral and caudal to injury, starts within 1 day and persists to at least 42 days after injury
Nguyen et al., 2008	Sprague Dawley rats	Contusion-induced SCI	Controlled impactor T9	SCI vs. Sham	42 days	<ul style="list-style-type: none"> - Infiltrating polymorphonuclear cells after SCI with increased C1q, C3, and - C4 mRNA expression. - Same cells also expressed CD59 on surface - MAC/C5b-9 proteins noted in granular vesicles within polymorphonuclear cells
Narang et al., 2017	C57bl6 mice	Contusion-induced SCI	Controlled impactor T10	SCI vs. Sham	21 days	Co-localization of IgM and C3b/d deposition in injury and perilesional spinal cord
Zhao et al., 2019	Wistar rats	Hemi-section	T10	SCI vs. Sham	3 days	<ul style="list-style-type: none"> - Increased mRNA expression of C1q, C3, C4b, C6, MBL, CFH, CFP, and C5 in spinal cord - Higher deposition of C1q on neurons and glial cells
Qiao et al., 2010	C57bl6 mice	Contusion-induced SCI	Weight drop T12	SCI vs. Sham	1 and 3 days	Higher deposition of C3d, fB, and C9 in the spinal cord at 1 and 3 days



Li et al., 2009	Sprague Dawley rats	Contusion-induced SCI	Weight drop T10	SCI vs. Sham	1, 7, and 14 days	Higher deposition of C3 and C9 noted in spinal cord parenchyma, peak at day 3
Hao et al., 2018	C57bl6 mice	Contusion-induced SCI	Controlled impactor T9	SCI vs. Sham	9 days	- Transcriptomic analysis showing increased C3 expression following SCI - Complement C3 expression more prominent in younger mice
Ankeny et al., 2009	C57bl6 mice	Contusion-induced SCI	Controlled impactor T9	SCI vs. Sham	7 days	- Higher IgG and C1q deposition on neurons, endothelial cells, and glial cells after SCI - Co-localization of IgG and C1q deposits
Brennan et al., 2019	C57bl6 mice	Contusion-induced SCI	Controlled impactor T9	SCI vs. Sham	4 and 35 days	- Increased C3a levels in the spinal cord and plasma up to 4 days post-injury - Upregulation of C3aR by microglia up to 35 days post-injury
Liu et al., 1998	Wistar rats	Contusion-induced SCI	Weight drop T10	SCI vs. Sham	7 days	- Proteomics analysis revealed complement and coagulation cascade as top enriched - C3 among core upregulated proteins at 7 days

C3aR: C3a receptor; CFH: complement factor H; CFP: complement factor P ; fB: factor B; IgG: immunoglobulin G; IgM: immunoglobulin M; MAC: membrane attack complex; MBL: mannan-binding lectin; SCI: spinal cord injury.