ries >1,00°	current at contact	f the body	nt and ope	forms. The	res at work	Flectrical	wo ways-			surgery.	e emotional	xpectations	come of the	88). Adv.	ional dia	V sho 1981)	I months	Weel &
Comprehensive	Summary	Source. Adapted from Browne and Gaasch 1992; Farrell 1968; and Fish 1993.	Coma	Intraventricular hemorrhage	Epidural hematoma	Coagulation of the cortex	Loss of consciousness	Seizures	Suppression of respiratory center	Subdural hematomas	Paralysis	Personality changes	Disorientation	Impaired concentration	Confusion	Acute	TABLE 4-13. Acute electrical injury	
Listuic accessments of patients		ne and Gaasch 1992; Farrell and Starr		e			Incomplete cord transection	Transverse myelitis	Syndrome resembling amyotrophic lateral sclerosis	Delayed ascending paralysis	Cataracts	Cerebellar dysfunction	Aphasia	Memory loss	Depression	Delayed	and delayed sequelae of	Acute and delayed sequelae of

rocellular apopti Textbook schizophrenia, or perience poor our more commonal of brain injuries a methyl-D-aspart mechanisms may the mechanisms well as other ne ments that migh mechanisms ma diseases. Illum to those found free radicals, the brain trauma, it The more the - summer

References

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American Psych Alexander MP: Adrian J, Cranks Manual of. gery—a preand subjecti Neurologic D. New You 16:144-149

ine, and the type le undergo coro-L 2002). Intraopnent (Diegeler et %, depending on ecline or stroke er year (Selnes et uncant cerebral The incidence of

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nts with anoxic rative state with concentration severe anoxic (Parkin et al.

F: "The Prognos-Cardiac Arrest in

## Electrical Injuries

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direct cellular damage due to passage of current through Electrocution can cause brain damage in two waysinjuries occur as a result of exposure to live wires at work brain tissue and cardiac arrest induced by it. Electrical degree of damage is determined by the amount and type or home or lightning strikes during thunderstorms. The of current, duration of exposure, parts of the body affected, and the pathway of current through the body. home or work (low voltage injuries <1,000 volts) are difwith high-voltage wires (high-voltage injuries >1,000 Injuries acquired from exposure to electric current at and Gaasch 1992; Fish 1993). Patients who experience ous in comparison to those from direct current (Browne volts). Injuries due to alternating current are more seriferent from those sustained from lightning or contact cognitive deficits with confusion and memory loss, which high-voltage electrical injury may initially show some deficits persist, neuropsychological evaluation should be usually clear within a few days. In cases in which these especially in cases of direct electrical injury to the brain performed because some symptoms may be permanent, (Table 4-13).

ary Artery

patients about their expectations for the outcome of the bances before the procedure (Adrian et al. 1988). ASKING state, cognitive deficits, and recovery from the surgery. procedure is also important because these expectations have an important bearing on the postoperative emotional

Subdural he

Paralysis

Suppression

center

Loss of con:

Epidural he

Intraventra

Source.

1968; and F

Coma

Coagulation

Seizures