



FIG. 13.—Diagrammatic longitudinal section of *Ascidia*, showing the heart, the blood-vessels, the branchial sac, the alimentary canal, &c., from the left side.

*br.si.*, branchial siphon; *at.si.*, atrial siphon; *t.*, test; *m.*, mantle; *br.s.*, branchial sac; *p.br.*, peribranchial cavity; *cl.*, cloaca; *n.g.*, nerve ganglion; *tn.*, tentacle; *gl.*, neural gland; *æ.a.*, œsophageal aperture; *st.*, stomach; *i.*, intestine; *r.*, rectum; *a.*, anus; *ov.*, genital organs; *g.d.*, genital ducts; *h.*, heart; *c.sp.*, cardio-splanchnic vessel; *v.t.*, vessel to the test; *l.k.*, terminal knob on vessel in test; *v.l.*, vessel from the test; *v.st.*, vessel to the stomach, &c.; *v.m.*, vessel to the mantle; *v.m.*, vessel from the mantle; *d.v.*, dorsal vessel; *tr.*, transverse vessel of branchial sac; *l.v.*, fine longitudinal vessel of branchial sac; *v.m.*, vessel from the mantle; *d.v.*, dorsal vessel; *tr.*, transverse vessel of branchial sac; *l.v.*, fine longitudinal vessel of branchial sac; *sg.*, stigmata of branchial sac; *v.v.*, ventral vessel; *br.c.*, branchio-cardiac vessel; *sp.br.*, splanchno-branchial vessel.