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Distribution of the fractures of the vault of skull

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DISTRIBUTION OF THE FRACTURES OF THE VAULT OF SKULL:

There were 70 cases having 116 fracture sites involving vault of skull. There were four crush injuries. Eight had craniotomy in the vault. It was observed that temporal region was the commonest region involved in the vault of skull having 52 (44.8%) fractures. Parietal region had 44 (37.9%) and frontal 20 (17.2%) fractures. The unilateral involvement was more common than bilateral. The unilateral bilateral ratio of skull vault fracture was 7.9:1.

TABLE : DISTRIBUTION OF THE FRACTURES OF THE VAULT OF SKULL:

Type of fracture	Frontal		Parietal		Temporal		Total
	U/L	B/L	U/L	B/L	U/L	B/L	
Depressed	3	-	4	-	2	1	10
Linear	11	1	26	2	30	3	73
Comminuted	2	3	10	2	15	1	33
Total	16	4	40	4	47	5	116

U/L=unilateral; B/L=bilateral

Crushing injury was present in 4 cases

The commonest type of fractures present in the skull vault were linear or fissured fractures, constituting 73 out of 116 sites almost 62%. Depressed (localized) fractures were frequent but relatively less common than comminuted fractures being 10 and 33 out of 116 sites (8% and 28%) respectively.

DISTRIBUTION OF THE FRACTURES OF THE BASE OF SKULL:

There were 74 victims with 53 fracture sites of the base of skull, linear or fissured fractures numbered 41 (77%) and comminuted fractures 12 (23%).

Middle cranial fossa was the commonest fossa involved, having a total of 27 fractures out of 53 (51%) followed by posterior cranial fossa having 17 out of 53 (32%) and anterior cranial fossa with 9 out of 53 (16%) fractures.

Type of fracture	Anterior cranial fossa		Middle cranial fossa		Post. Cranial fossa		Total
	U/L	B/L	U/L	B/L	U/L	B/L	
Linear	**5**	**2**	**15**	**5**	**11**	**3**	**41**
Comminuted	**2**	**-**	**5**	**2**	**2**	**1**	**12**
Total	**7**	**2**	**20**	**7**	**13**	**4**	**53**