













Impaired rotation





CZa































































DISTAL, displaced		
Age	Angulation in degrees	
0-5	25	
5-10	15	
>10	10-15	
50% bone contact		



























MIDSHAFT		
Age	Angulation in degrees	
<10	15	
>10	10	











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 Abstract

 Botternet

 B



























Fracture displacement	
Risk factors	
Non-dominant arm	p 0.024
Complete fracture	p 0.040
Translation ulna lateral X-ray	p 0.014
Shortening fracture	p 0.019
Colaris et al, risk factors for the displacement of both bones forearm fractures, Bone Joint J. 2013	Erasmus MC Crafuns





## Impaired rotation

Erasmus MC















follow-up<br/>7 monthsImpaired rotation (%)Malunion (degrees)Impaired rotation (%)0-596-10911-1513>1660





















![](_page_17_Picture_2.jpeg)

![](_page_17_Figure_4.jpeg)

![](_page_17_Figure_6.jpeg)

![](_page_17_Figure_8.jpeg)

![](_page_17_Figure_9.jpeg)

## Osteotomy study

Inclusion

≥ 10 years
Symptomatic malunion after both-bone forearm fracture
Pronation or supination < 50 degrees</li>

<u>Exclusion</u> Bone deformity of contralateral arm

Erasmus MC

109

![](_page_18_Picture_6.jpeg)

111

![](_page_18_Picture_8.jpeg)

110

![](_page_18_Picture_10.jpeg)

112

![](_page_18_Picture_12.jpeg)

![](_page_18_Picture_13.jpeg)

114

![](_page_19_Picture_0.jpeg)

![](_page_19_Picture_1.jpeg)

![](_page_19_Picture_3.jpeg)

![](_page_19_Picture_5.jpeg)

![](_page_19_Picture_7.jpeg)

![](_page_19_Picture_8.jpeg)

![](_page_20_Picture_0.jpeg)

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![](_page_21_Picture_4.jpeg)

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