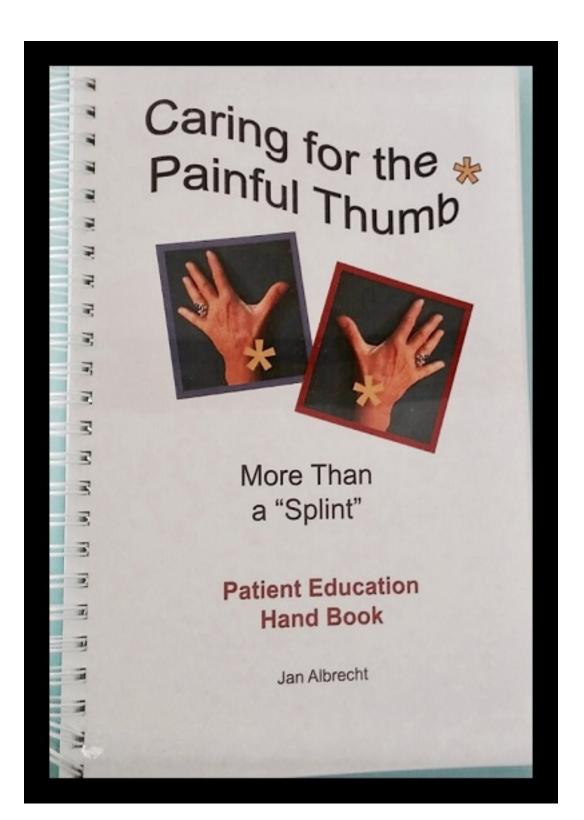
In Loving Memory of Jan Albrecht January 10<sup>th</sup> 1935 to march 28<sup>th</sup> 2016 A portion of all proceeds will be donated to the Jan Albrecht scholarship.



	ontents	
		Left
What You Can Lea	m 1,2	25,26
Why Do Thumbs G	et Painful? 3,4	27,28
The Way The Thun	nib Works 5,1	5 29,30
Anatomy		8 31,32
Widen the Web Sp	ace 9,1	0 33,34
Exercises for Stabi	lity 11,1	2 35,36
More Exercises for		4 37,38
Some Thumbs Ner		16 39,40
Reduce Pain and S		18 41,42
Orthosis/Splint		20 43,44
Protecting Your Th	umbs 21,	22 45,46
Change the Way Y	You Do Things 23,	24 47,48
Differential Disgno		,50 49,50
References and R		,52 51,52

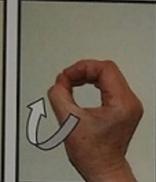
## The Way The Thumb Works

- The human thumb is very special.
- 40 60% of hand use depends upon a normal, healthy thumb.
- It is so valuable that if a thumb is lost, surgeons may replace it with a toe!
- . The thumb can touch each finger tip.









 As the human thumb moves over from side pinch to tip pinch, it appears to rotate.

This ability allows the thumb to do many things.

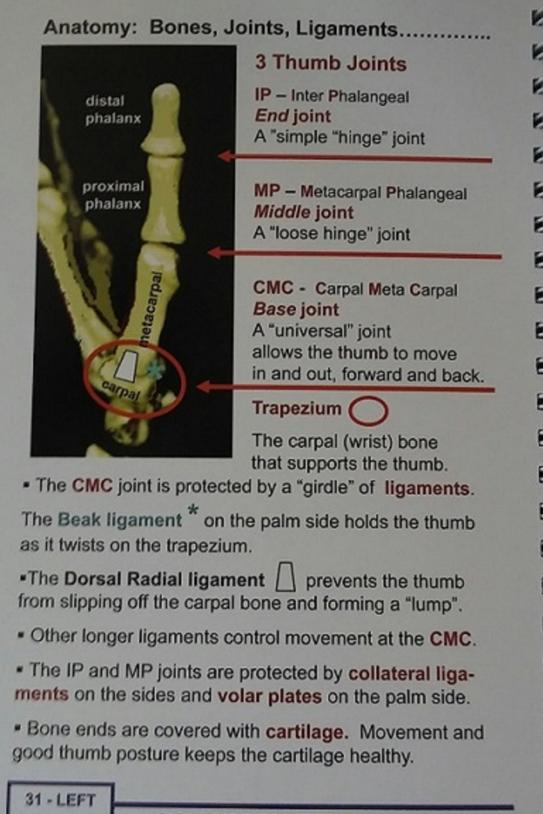




- Its pinch can be delicate, and its grip can be powerful.
- The thumb needs to be both flexible and stable.



CARING FOR THE PAINFUL THUMB - 2015 Edition



CARING FOR THE PAINFUL THUMB - 2015 Edition

## Why Do Thumbs Get Painful? Is it this?

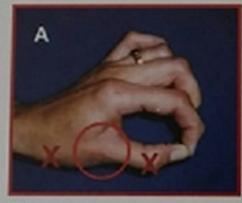
## Ligament Laxity

 Some people naturally have loose (lax) ligaments and may enjoy showing off their "double joints"!
The joints are *not* double.

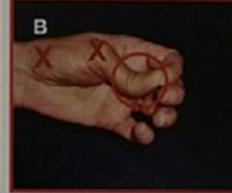


They are just very flexible and unstable.

 Later on, thumbs can become painful when ligaments remain stretched and joints begin to slip;



Type A The middle joint collapses. The end joint and the base joint become unstable.



Type B The end joint collapses. The middle joint and the base joint become unstable.

Ligament Laxity can cause instability.

Instability can cause deformity.

27 - LEFT



CARING FOR THE PAINFUL THUMB - 2015 Edition