

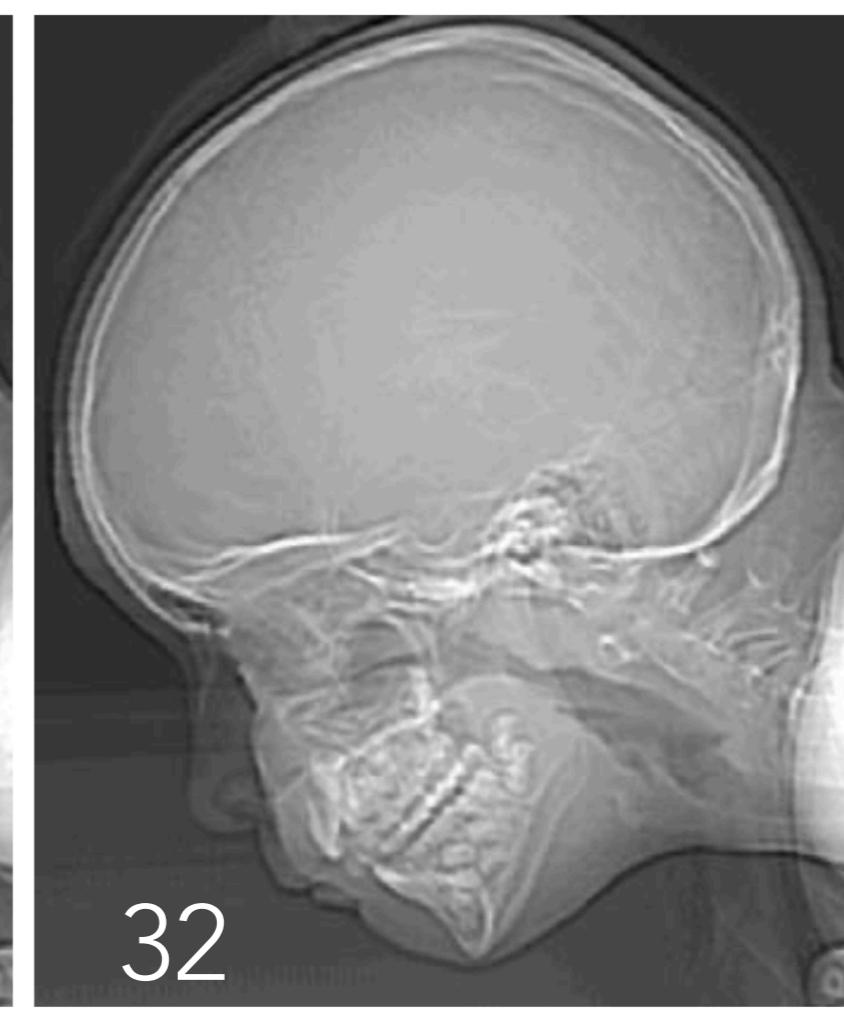
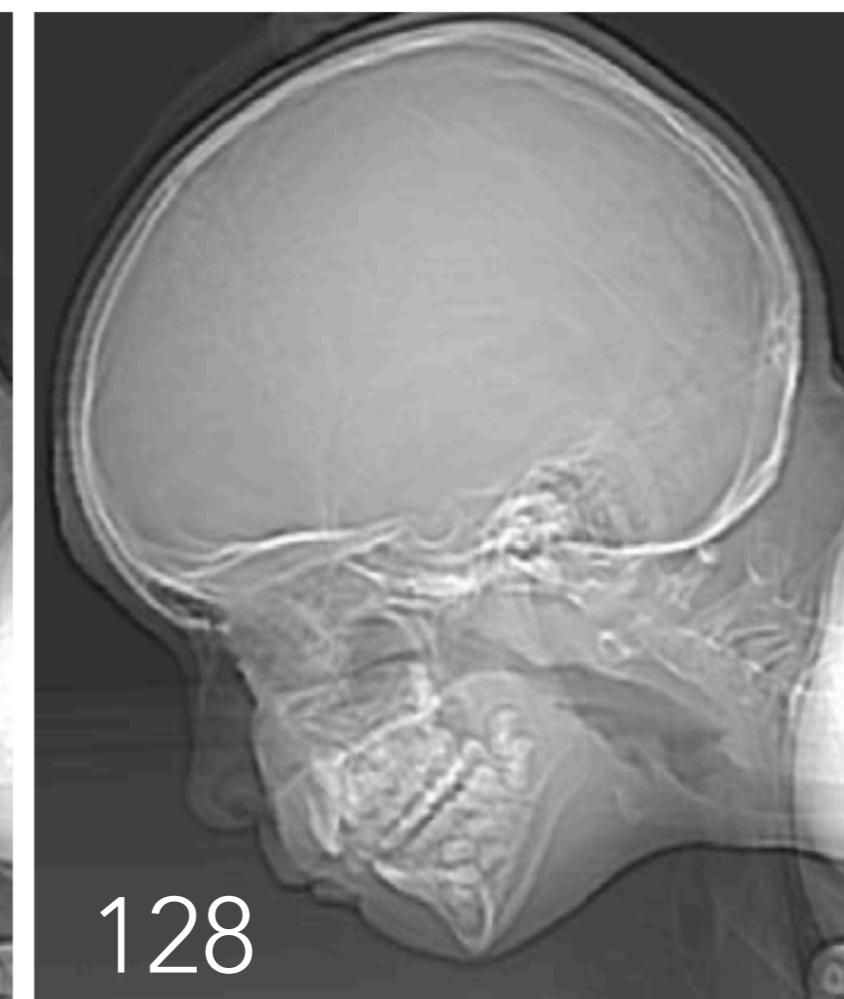


pour Vojan Mitrović
avec l'amitié d'
Henri Cartier-Bresson

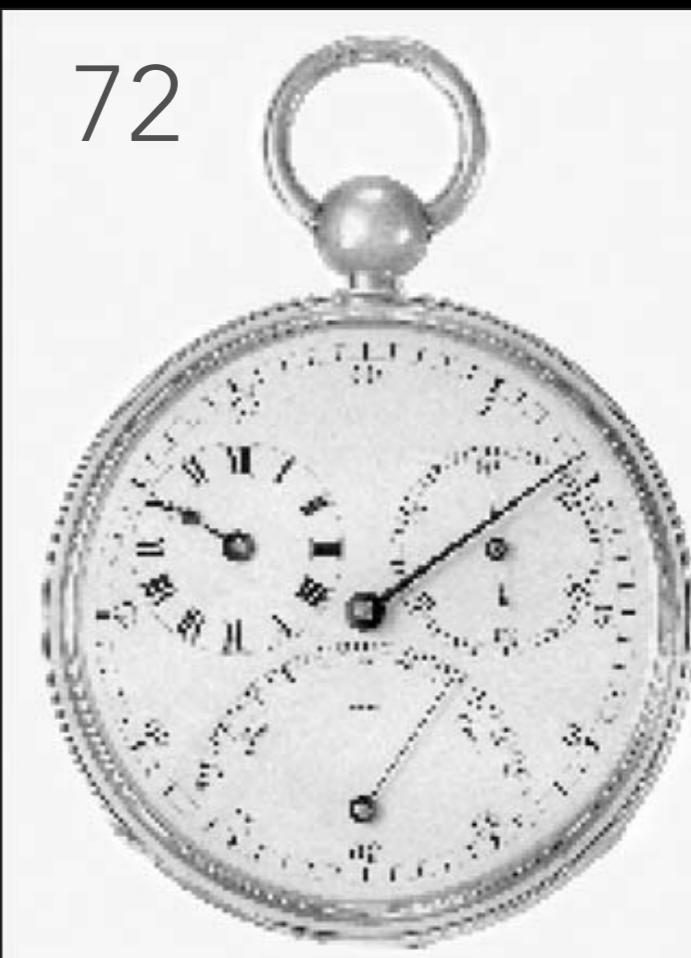
IMÁGENES MÉDICAS



INTENSIDAD



RESOLUCIÓN

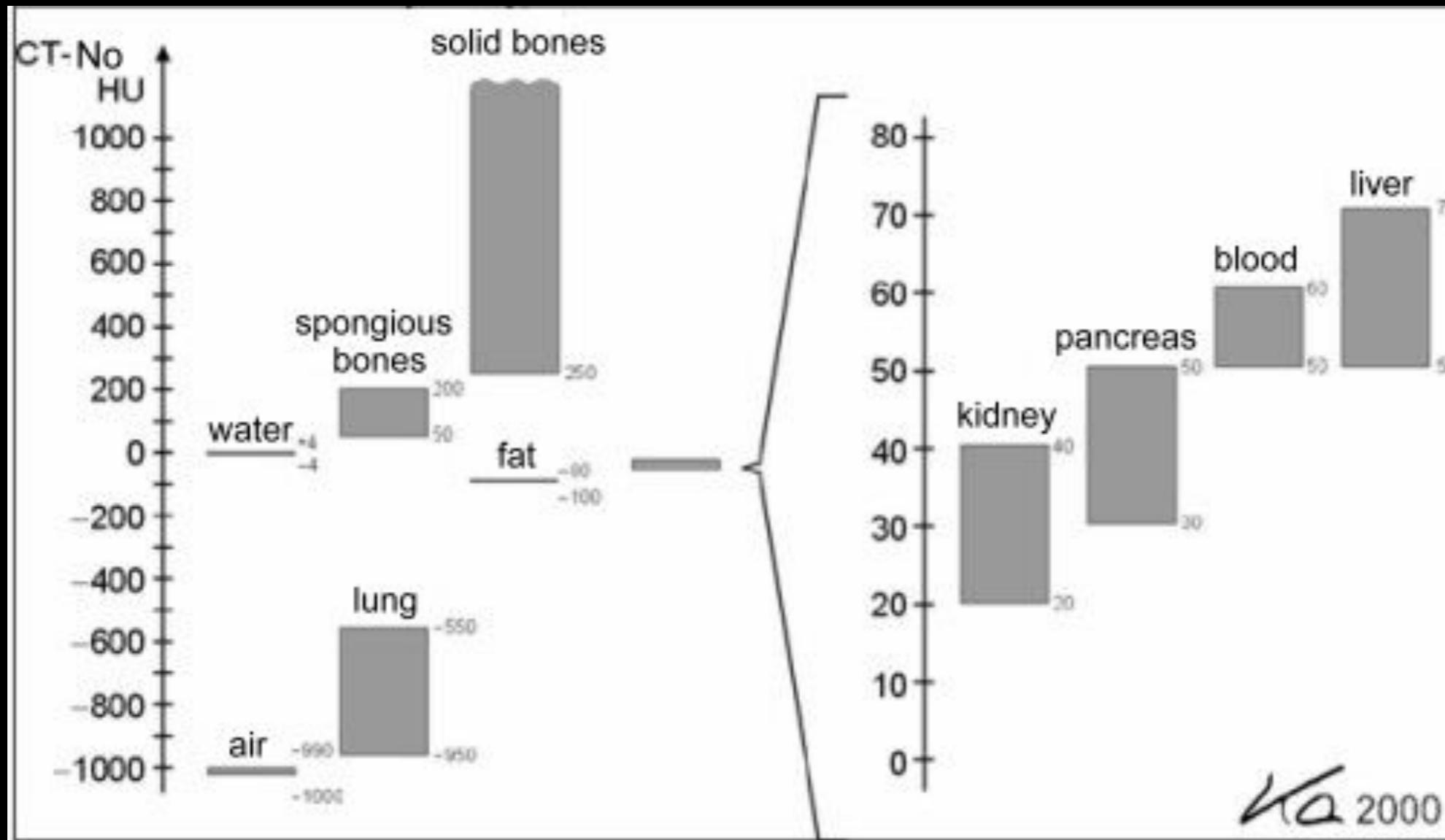


IMÁGENES DIGITALES MÉDICAS

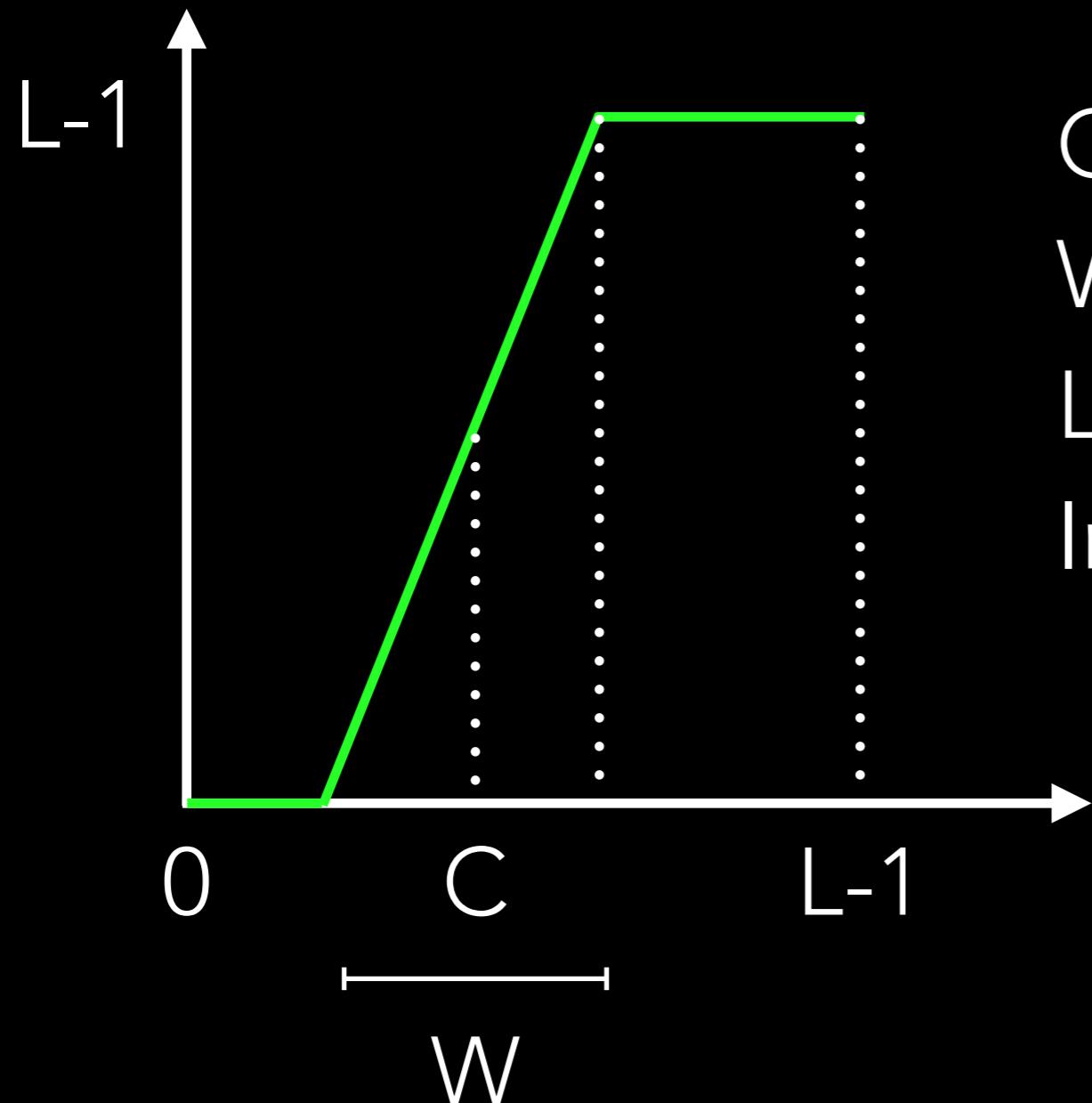
MODALIDAD	ANATOMÍA	(X,Y,Z)	BIT DEPTH	TAMAÑO (MB)
RADIOGRAFÍA	TORAX	2000 X 1500 X 1	10 - 16	10
CT	ABDOMEN CABEZA	512 X 512 X 500 512 X 512 X 300	12 - 16	250 150
ULTRASONIDO	CORAZÓN	512 X 512 X 1 (50/S)	24	38 MB/S
PET	CEREBRO CORAZÓN	256 X 256 X 50 128 X 128 X 40 (16/S)	16	6 1
RMN	ABDOMEN CABEZA	512 X 512 X 100 512 X 512 X 200	12 - 16	50 100

UNIDADES DE HOUNSFIELD

$$HU = \frac{\mu - \mu_w}{\mu_w - \mu_{\text{aire}}} \times 1000$$



WINDOWING

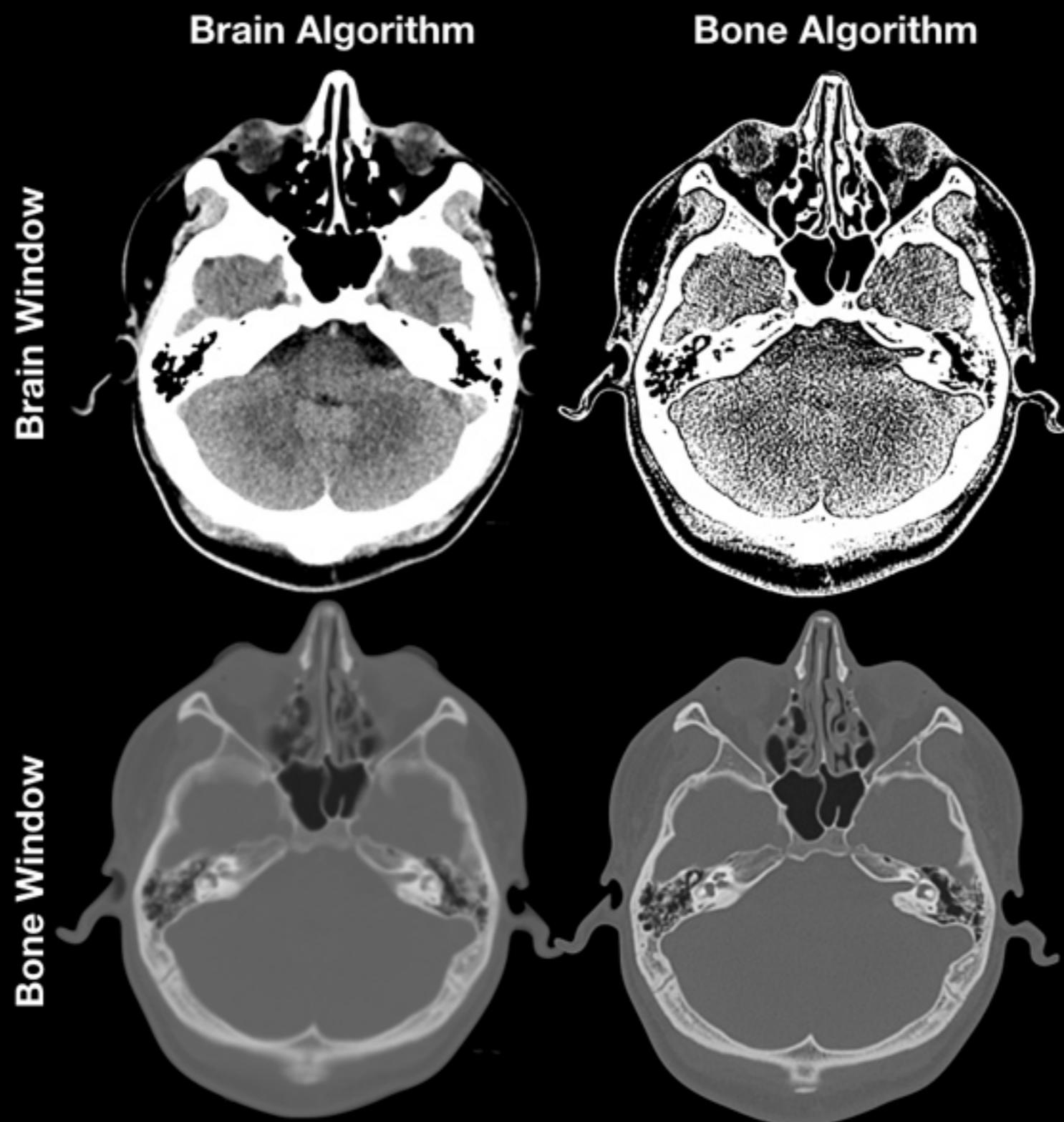


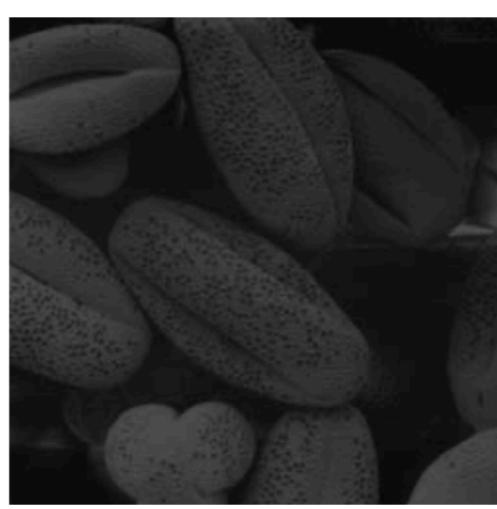
C: Level (Window Center)
W: Width (Window Width)
 $L-1$: Máximo valor de
Intensidad (255 tip.)

VALORES TÍPICOS DE W/L

- cabeza y cuello
 - cerebro w:80 c:40
 - subdural w:130-300
c:50-100
 - stroke w:8 c:32 or
w:40 c:40
 - Hueso w:2800 c:600
 - Tejido blando: w:350–
400 c:20–60
- pecho
 - Pulmones w:1500 c:-600
 - Mediastino w:350 c:50
- abdomen
 - Tejido blando w:400 c:50
 - hígado w:150 c:30
- columna
 - Tejido blando w:250 c:50
 - Hueso w:1800 c:400
-

WINDOW / LEVEL

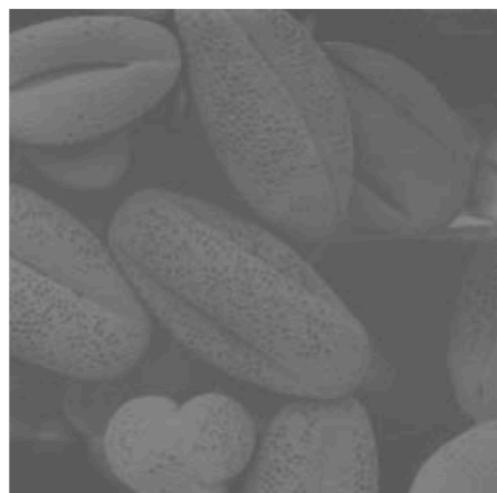




Histogram of dark image



Histogram of light image



Histogram of low-contrast image



Histogram of high-contrast image

