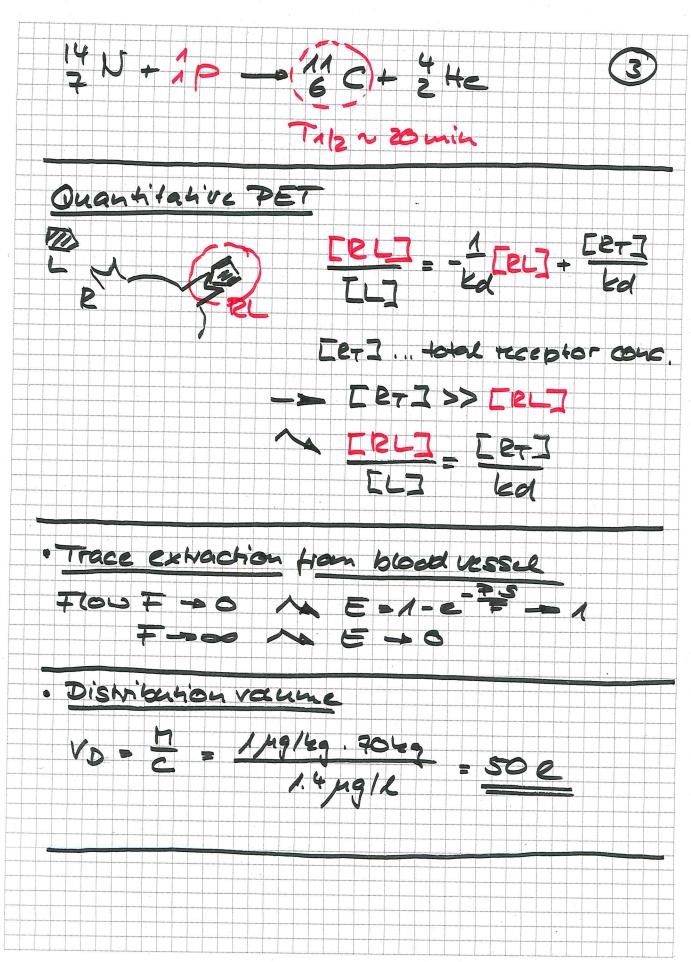




Technehic	un gen	era+0 [(S	PECT)		
99 HO -	E B	- 99m T	c>	99 TE +	- 8
N _A		N ₂			
dN ₁	- KA	dUz d+	= + kn N	۸ - الا ال	-
N ₁ = N ₆	2		62 W = 1		
		N2 = C	- 616	(homog	ench.
	D.e. 475	+ 620 6	45	, . No · e	<u></u> La E
D.((Ez-4n)	= ka. Ne		1 (21. A)	9
N2 = Kal	Uo (e			ea W	6

ETH zürich



ETH zürich

· Comparimut modelling
LL1+ Te1 = CLe1
[Cp] (c) (Cb]
in blood unboard bound
dcf = + k1 Cp(+) - k2Cf(1) - k3Cf(1) + k4 C6(1)
dCb = +42 Co(4) = 6 (Ch(4)
PET Signal: Ct(+) = Cp(+) + Ct(+) + C6(+)
(assuming equal volume Hackien
Rem: (OCX) S(x-X) dX - (OCX) LSF(x'-X) dX
Truth, S. Dirac mage, LSE.
line-spread-funct
Output Input Impulse response

www.ethz.ch

ETH zürich

