













across all classes of drug".

George Poste 2005 Director of the Biodesign Institute at Arizona S

Concentration Approximation Concentration <td





Our own Immune system We are under continual attack. What happens when we have a low state of health? We all have pathogens present all the time. What are they up to? Pathogens lead to more than infections?

Qures LTD What effect do these non-infection actions have on aging? Is a better, healthier life anti-aging?







Health-Care Crisis Vaupel & Geppen, Science May 2002 (OECD)						
	<u>1981</u>	<u> 1997</u>				
 Life expectancy (m) 	70.9	74.6				
 Health expectancy 	64.4	66.9				
Health gap	6.5	7.7				
 Life expectancy (w) 	73.1	77.4				
 Health expectancy 	64.7	68.2				
• Health gap	8.4	9.2				

















				QIR
Impact study o		lutions on a popu	ilation of <i>esche</i>	erichia coli
Designation	A	В	С	Neg. control
[OSCN ⁻]T ₀ (µM)	220±5	463±4	630±7	0
CFU/ml @ 0 min	unknown	unknown	unknown	370 ± 21
	325 ± 50	60 ± 20		unknown
CFU/ml @ 5 min				
CFU/ml @ 5 min CFU/ml @ 15 min	301 ± 37			unknown
CFU/ml @ 5 min CFU/ml @ 15 min CFU/ml @ 30 min	301 ± 37 250 ± 63	10 ± 3		unknown unknown
CFU/ml @ 5 min CFU/ml @ 15 min CFU/ml @ 30 min CFU/ml @ 60 min	301 ± 37 250 ± 63 190 ± 27	10 ± 3 0 0		unknown unknown 330 ± 83
CFU/ml @ 5 min CFU/ml @ 15 min CFU/ml @ 30 min CFU/ml @ 60 min	301 ± 37 250 ± 63 190 ± 27	10±3 0 0		unknown unknown 330 ± 83
CFU/ml @ 5 min CFU/ml @ 15 min CFU/ml @ 30 min CFU/ml @ 60 min	301 ± 37 250 ± 63 190 ± 27	10±3 0 0		unknown unknown 330 ± 83

GRAM –ve GRAM +ve • E-coli salmonella species • shingella sonnei steptococcus • legionella streptococcus • campylobacter listeria

	Qures ltd.	
3-	Impact of OSCN- ions at various concentrations on a population of Escherichia coli	
3-		
Log CFUMI		
1-		
0 4	10 20 30 40 50 60 Time (in min)	

salmonella	a infantis : li 1	mpact on a	. 10° CFU/	'ml
Designation	A	В	С	Neg, control
[OSCN]T0(µM)	190±10	362±6	675±4	0
CFU/ml@0min	unknown	unknown	unknown	7013±643
CFU/ml @15 min	2814±1596	736±468	79±31	unknown
CFU:ml @60 min	269±126	0	0	unknown
CFU/ml @120 min	9±6	0		unknown
CFU/ml @240 min	0			4120±2730



salmonella CFU/ml po	infantis pulation	: Impac	t on a 1()2	QURES LTD
Designation	А	В	С	Neg, control	
[08CN]T0(µM)	240±8	402±7	588±8	0	
CFUml @0min	unknown	unknown	unknown	970±71	
CFUml @5 min	185±112	15±5	10±4	unknown	
CFUml @15 min	35±18	2±1		unknown	
CFUml @30min	15±5			890±139	
			TMI-E,	Lyon	

	QURES LTD Impact of OSCN-ions at various concentrations on a population of Salmonella Infantis at 102 CFUIml
3,5 - 3 - 2,5 -	
2 - 1,5 -	
1 - 0,5 -	
0.4	5 10 15 20 25 30 Time of exposure (in minutes)

Impact	study of OS	CeauN [®] so	lutions on	a populatio	n of
	noccus auri				
	Designation	А	В	Neg. control	
	OSCN']T0(µM)	240±6	482±10	0	
	CFU/ml @0 min	unknown	unknown	980±163	
	CFU/ml @5 min	976±527	790±313	unknown	
	CFU/ml @15 min	1004±532	420 ± 195	unknown	
	CFU/ml @30 min	993±467	132±69	unknown	
	CFU/ml @60 min	921±449		unknown	
	CFU/ml @240 min	894±431		900 ± 452	
				TMI-E, Lyon	



Steria monocytogene Dsignion A B C Ng outrol (IKN)FighM 2467 412±3 755±6 0 (IVInt Gimin uikrown uikrown 142±3 755±6 0 (IVInt Gimin uikrown uikrown 142±3 72±27 269±126 (IVInt Gimin 45±123 11±4 3±2 252±84 (RVInt Gimin 0 0 0 277±76	npact study	of OSCe	auN® sol	utions on	a popula	tion of
Designation A B C Ng carnel [XEN]E_0[4M] 246:7 412:3 755:6 0 (UKN]E_0[4M] 246:7 412:3 755:6 0 (Ukn) (Ghnin uknown uknown 244:52 (Ukn) (Ghnin 853:234 50:174 72:27 269:186 (RUnd (Ghnin 45:123 11:±4 3:±2 229:884 (RUnd (Ghnin 0 0 0 277:76						
(XX)[I ₁ (µM) 24±7 412±3 75±6 0 (TUni Gunin usknown usknown usknown 234±52 (TUni Ginin 853±234 50±174 72±27 289±126 (TUni Ginin 45±123 11±4 3±2 259±884 (RUni Ginin 0 0 0 225±786	Designation	A	В	с	Neg. control	
CRUnt @Dnin uiknown uiknown uiknown 284±522 CRUnt @Snin 853±234 580±174 72±27 289±186 CRUnt @Snin 455±123 11±4 3±2 259±84 CRUnt @Onin 0 0 0 225±766 CRUnt @Onin 0 0 0 275±766	[O8CN]T ₀ (µM)	246±7	412±3	755±6	0	
CHUrd @Smin S83±234 S80±174 72±27 289±186 CHUrd @Smin 405±123 11±4 3±2 259±884 CHUrd @Dmin 0 0 0 223±726 CHUrd @Cmin 0 0 223±726	CFUml @0min	unknown	unknown	unknown	2614±532	
CUMI @5min 426±123 11±4 3±2 229±84 CUMI @50min 0 0 0 222±756 CUMI @50min 0 0 0 222±756	CFU/ml@min	853±234	580±174	72±27	2489±1196	
CFUnit @Dmin O O O 223±756 CH light @Dmin O O 223±756 O	CFU/ml @15 min	426±123	II±4	3±2	2529±884	
	CFU/ml @30min	0			2223±756	
	CFU/ml @60min	0			2120±839	

















QURES LTD

First clinical experience with OSCeauN

- The aim of the survey
- to prove the efficacy of the substance in vivo
- to determine the fields of the further possible clinical use
- to compare the efficacy with antibiotics
- detect possible side effects

URES LTD
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QURES LTD

Soft tissue infection

- The patient with the chronic venous insufficiency got 4 doses of OSCeauN for 4 weeks. The ulcer dried and shrinked by 1,5 centimeters (originally it was 4,5 cms)
- The patient who had an injury of the hand is a carpenter, had allergic reactions to most of the antibiotics. He got 4 doses in 4 weeks, the discharge from the drain cleared up in 3 days, the wound was closed in 5 days.

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URTI infections - bacterial

- 4 patients, 2 single closes of OSCeauN for 2 clays
- We measured: fever, quantity and colour of the discharge, subjective overall condition, liver enzymes, WBC count, We, CRP. Unfortunately we could not culture the bacteria.

QURES LTD

URTI infections - bacterial

- We compared the recovery of the patients to the recovery of the conventionally treated group (antibiotics).
- The average recovery was 1 day shorter than the control group (not significant)
- (6 days OSCeauN group The efficacy with 2 single dose was at least as good as with antibiotic in the control group

QURES LTE URTI infections - viral • 5 patients, 2 single doses of OSCeauN the following days. We started the survey during the February influenza epidemic. (age 21-48)

• The fever and most of the symptoms dropped in 48 hours (usually it lasted for 5 days), the liver and CRP levels returned back to normal range in



QURES LTD Pneumonia cases 3 cases, radiologically proven pneumonia • Immediate treatment (2 doses), we waited for 24 hours for the improvement of the symptoms. (if not-antibiotic treatment) • We observed: fever, auscultation signs, quality and quantity of the discharge, liver and kidney parameters, haematologic parameters, We, We compared the results with the conventional

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Pneumonia - results

- All the 3 patients completely recovered in 8-11 days
- The leukocytosis and the inflammatory parameters returned back to normal range by
- The symptoms decreased faster than it is usual with AB treatment (fever & discharge)
- The duration of recovery was about the same as with the conventional therapy (8-12 days)

A case history with OSCeauN

- 88-year old lady, serious bronchial infection which quickly turned into lobar pneumonia
- Failing respiratory function, failing blood gas parameters, losing consciousness

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- Immediately start artificial respiration with hyperbaric
- The treatment was unsuccesful for 5 days, change to a

A case history with OSCeauN

The result of the bacterial culturing arrived on the 8th day (Klebsiella Pneumoniae), change to the 4th antibiotic (Amikacin).

QURES LTT

- Still high fever for 3 days, the stopping of the PEEP respirating was unsuccesful, controlomy Day 11: Start of the OSCeauN by means of a gastric tube (the patient was still unconscious)
- In 2 days the fever has gone, they could stop the artificial respiraing, the patient came back to consciousness, the recovery continued with massive pharmaconutritional support.

QURES LT **Clinical Trials**



















