

## Актıvoтробт $\alpha$ бí 99



 $\lambda$ о́ $\gamma \mathbf{0}$ ऽ̧ $\sigma \tau \alpha \pi \lambda \alpha i ́ \sigma ı \alpha$ ı $\alpha \tau \rho ı \kappa ळ ́ v ~ к \alpha ı ~$




## Актıvотробт $\alpha \sigma$ í 99




## Пєрıєұо́ $\mu \varepsilon v \alpha$

1. ЕІІАГЛГН ..... 4
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## 1. EIEAГ@ГH



 ıоví̧ovбац акт七voßo入ías.





 єирюлаїкко́v $\pi \rho \omega \tau о \beta о \cup \lambda t \propto ́ v$.












 Про́тоv, $\alpha \sigma \theta \varepsilon v \varepsilon i ́ s ~ \pi о v ~ \varepsilon v \delta \varepsilon \chi о \mu \varepsilon ́ v \omega \varsigma ~ \theta \alpha ~ \omega \varphi \varepsilon \lambda \eta \theta о о ́ v ~ \alpha \pi o ́ ~ \alpha v \tau \eta ́ ~ \tau \eta ~ \delta ı \alpha \delta ı к \alpha \sigma i ́ \alpha . ~ \Delta \varepsilon v ́ \tau \varepsilon \rho о v, ~$







 $\tau \eta \mu \varepsilon ́ \theta o \delta o$.






 1998.















Suzanne FRIGREN<br> $\kappa \alpha 1 \pi \rho о \sigma \tau \alpha \sigma \dot{\prime} \alpha \varsigma \tau \omega \vee \pi о \lambda \iota \tau \dot{v}$

## 2. ЕIГАГОГН










 $\tau \eta \varsigma$ vүсías точ૬.
(15) To ICRP غ́ $\chi \varepsilon 1 ~ \delta \eta \mu о \sigma є \varepsilon ́ \sigma \varepsilon ı ~ \mu \alpha \alpha ~ \varepsilon ́ к \theta \varepsilon \sigma \eta ~(I C R P ~ 62) ~ \mu \varepsilon ~ \tau i ́ \tau \lambda о ~ " P \alpha \delta ı о \lambda о ү ı к и ́ ~ \pi \rho о \sigma \tau \alpha \sigma i ́ \alpha ~ \sigma \tau \eta ~$


 $\sigma \chi \varepsilon \delta i ́ \omega v$.

## 3. H@IKE $\operatorname{HTYXE\Sigma }$



 $\sigma \tau о v \varsigma \alpha v \theta \rho \dot{\sigma \pi} \pi о \cup \varsigma$.

















 $1 \alpha \tau \rho o ́ ~ \eta ́ / \kappa \alpha 1 ~ \tau о v ~ \pi \alpha р \alpha \pi \varepsilon ́ \mu \pi о v \tau \alpha ~(M E D) . ~ A \varphi \varepsilon \tau \varepsilon ́ p o v ~ v \pi \alpha ́ \rho \chi о v v ~ \alpha \sigma \theta \varepsilon v \varepsilon i ́ ̧ ~ \pi о v ~ \sigma v \mu \varphi \omega v o ̛ ́ v ~ v \alpha ~$










 $\pi о \kappa i ́ \lambda \lambda \varepsilon \iota ~ \sigma \tau \alpha \kappa \rho \alpha ́ \tau \eta ~ \mu \varepsilon ́ \lambda \eta$.



















 $\alpha \pi о \tau \varepsilon \lambda \varepsilon ́ \sigma \mu \alpha \tau \alpha$.



 $\alpha \pi о ́ \rho \rho \eta \tau \alpha \dot{\omega} \sigma \tau \varepsilon v \alpha \varepsilon \xi \alpha \sigma \varphi \alpha \lambda i ́ \zeta \varepsilon \tau \alpha \downarrow \eta$ $\varepsilon \mu \pi \iota \sigma \tau \varepsilon v \tau \iota \kappa о ́ \tau \eta \tau \alpha$.






















 غ́pevoo.

 غ́p $\sigma \eta \mu \varepsilon \iota \omega \theta \varepsilon i ́ ~ o ́ t ı, ~ \sigma \tau \eta \nu ~ \pi \varepsilon \rho i ́ \pi \tau \omega \sigma \eta ~ \tau \omega v ~ \alpha \sigma \theta \varepsilon v o ́ v ~ \sigma \varepsilon ~ \tau \varepsilon \lambda ı к o ́ ~ \sigma \tau \alpha ́ \delta ı o, ~ o ı ~ \mu \alpha к р о \pi \rho o ́ \theta \varepsilon \sigma \mu о 七 ~$


 $\alpha к \rho i ́ ß \varepsilon i \alpha$.

























 каı oı $\pi \rho$ отєเvó $\mu \varepsilon v o$ кívסvvor.


 $1 \alpha \tau \rho \iota \kappa \alpha ́ \alpha \rho \chi \varepsilon i ́ \alpha ~ \sigma \chi \varepsilon \tau ו \kappa \alpha ́ \mu \varepsilon \tau \eta \nu \pi \rho о \gamma \rho \alpha \mu \mu \alpha \tau \iota \sigma \mu \varepsilon ́ v \eta \varepsilon \xi \dot{\varepsilon} \tau \alpha \sigma \eta$.

 ки́0є $\alpha ́ \tau о \mu о$.

## 4. AЕIOAOГHटH KINAYNOY

## Геvıк⿱㇒日,






 $\alpha \pi о р р о ф о и ́ \mu \varepsilon \vee \eta ~ \delta о ́ \sigma \eta ~ \eta ́ ~ \eta ~ \mu \varepsilon ́ \sigma \eta ~ \alpha \pi о р р о р о и ́ \mu \varepsilon v \eta ~ \delta o ́ \sigma \eta ~ \sigma \varepsilon ~ \sigma о ү к \varepsilon к р ц и \varepsilon ́ v \alpha ~ о ́ \rho \gamma \alpha v \alpha ~ к \alpha ı ~ \eta ~$




 $\alpha$ ģı $10 \gamma \gamma \eta \theta \varepsilon$ ć $\sigma \omega \sigma \tau \alpha ́$.




















## $\Sigma \chi \varepsilon \delta ı \alpha \sigma \mu o ́ \varsigma \tau \eta \varsigma$ е́ $\varepsilon \varepsilon v \nu \alpha \varsigma$






 орӨи́ $1 \alpha \tau \rho ⿺ к \grave{\prime} \pi \rho \alpha к \tau к к \eta ́$.





 $\varepsilon \xi \alpha \sigma \varphi \dot{\lambda} \lambda 1 \sigma \eta \varsigma \tau \eta \varsigma \pi о$ о́т $\tau \tau \alpha \varsigma$.

## 


 $\nu \alpha \alpha \rho \chi i ́ \sigma \varepsilon 1$ év $\alpha \pi \rho о ́ \gamma \rho \alpha \mu \mu \alpha$.






 $\pi \rho \varepsilon ́ \pi \varepsilon \imath ~ v \alpha ~ \delta ı \varepsilon \xi \alpha ́ \gamma о v \tau \alpha 1 ~ о и ́ \tau \varepsilon ~ v \alpha ~ \gamma i ́ v o v \tau \alpha ı ~ \delta \varepsilon \kappa \tau \varepsilon ́ \varsigma ~ \gamma ı \alpha ~ \delta \eta \mu о \sigma i ́ \varepsilon v \sigma \eta . ~ П \rho \varepsilon ́ \pi \varepsilon ı ~ v \alpha ~ \tau \eta \rho \varepsilon i ́ t \alpha ı ~ \eta ~$


## 










 $\mu$ о́vo $\tau \eta ~ \gamma \nu \dot{\sigma} \sigma \eta "$.

















 $\sigma \tau о \chi \alpha \sigma \tau 1 \kappa \alpha ́ \alpha \pi о \tau \varepsilon \lambda \varepsilon ́ \sigma \mu \alpha \tau \alpha$, $\varepsilon \kappa \tau о ́ \varsigma ~ \alpha v ~ \alpha \nu \tau \varepsilon ́ \varsigma ~ \varepsilon i ́ v \alpha 1 ~ \alpha \pi \alpha \rho \alpha i ́ \tau \eta \tau \varepsilon \varsigma ~ \gamma 1 \alpha ~ \tau о ~ \alpha \pi о \tau \varepsilon ́ \lambda \varepsilon \sigma \mu \mu ~$ $\tau\rceil \varsigma ~ Ө \varepsilon \rho \alpha \pi \varepsilon i ́ \alpha \varsigma$.







$$
\text { ( } \beta \text { áб\&ı тŋ૬ ICR62) }
$$

|  <br>  |  $\sigma \tau о$ о́p $\_\lambda о \varsigma$ | Katๆүорía кıvớvov <br>  |  |  |  <br>  $(\mathrm{mSv})^{\mathrm{b}}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
| X $\alpha \mu \eta \lambda$ ó | Lúvך $\theta \varepsilon ¢$ | Katm\%opía | I | $\sim 10^{-6}$ ท́ $\chi \propto \mu \eta \lambda$ о́t¢ро | $<0.1$ |
| Мと́бo غ́ $\omega \varsigma \mu \varepsilon ́ \tau \rho ю$ |  | Katmopía | II |  |  |
|  |  |  | II $\alpha$ | $\sim 10^{-5}$ | 0.1-1 |
|  |  |  | II $\beta$ | $\sim 10^{-4}$ | 1-10 |
| इпuкveıкó | Métpıo | Katmpopía | III | $\sim 10^{-3} \eta \mathfrak{\nu} v \psi \eta \lambda$ ót $\tau$ ¢o | $>10{ }^{\text {a }}$ |





## OPILMOI (АПО THN OДHГIA MED)







 актьvoßодієя.






 $\varepsilon \kappa Ө \varepsilon ́ \sigma \varepsilon \iota \varsigma ~ \pi о v ~ \varepsilon \mu \pi i ́ \pi \tau о \nu \vee ~ \sigma \tau \eta \nu ~ \pi \alpha \rho о v ́ \sigma \alpha ~ о \delta \eta \gamma i ́ \alpha$.










## ВІВАІОГРАФІА

GEC 97 Guidelines and Recommendations for European Ethics Committees. Leuven: European Forum for Good Clinical Practice, 1997.

HE 96 Recommendations Guiding Medical Doctor in Biomedical Research Involving Human Subjects. Adopted by the Eighteenth World Medical Assembly, Helsinki, Finland 1964; and revised by the 48th World Medical Assembly, South Africa, October 1996

ICR 53 Radiation dose from radiopharmaceuticals. ICRP Publication 53. Annals of ICRP. Oxford: Permagon Press, 1987.

ICR 62 Radiological Protection in Biomedical Research. ICRP Publication 62. Annals of ICRP. Oxford: Permagon Press, 1992.


 EE L 180, 22-27, 1997


 $\alpha \gamma \omega \gamma \dot{\prime}$. EE L-265, 1-3, 1984

WHO77 WHO. Use of ionising radiation and radionuclides on human beings for medical research, training and non medical purposes. Technical report series 611. Geneva : World Health Organisation, 1977.

## ПЕРІАНЧН











