



Ente Ospedaliero Cantonale

# Il Paziente al centro della cura

## Le buone pratiche: il progetto Open.ICU



eoc

Claudio Speroni (Capo-Reparto infermieristico, Ospedale Regionale di Lugano)  
Campus SUPSI Trevano - 29 novembre 2018

# ICU

---

## Intensive Care Unit



---

# Ospedale Regionale di Mendrisio



---

## Terapia intensiva aperta

obiettivo

---

# la narrazione

parola chiave

---

**Il tempo**

contenuto

---

# la memoria

# 2012

---

# 2018

# ora mi presento

---



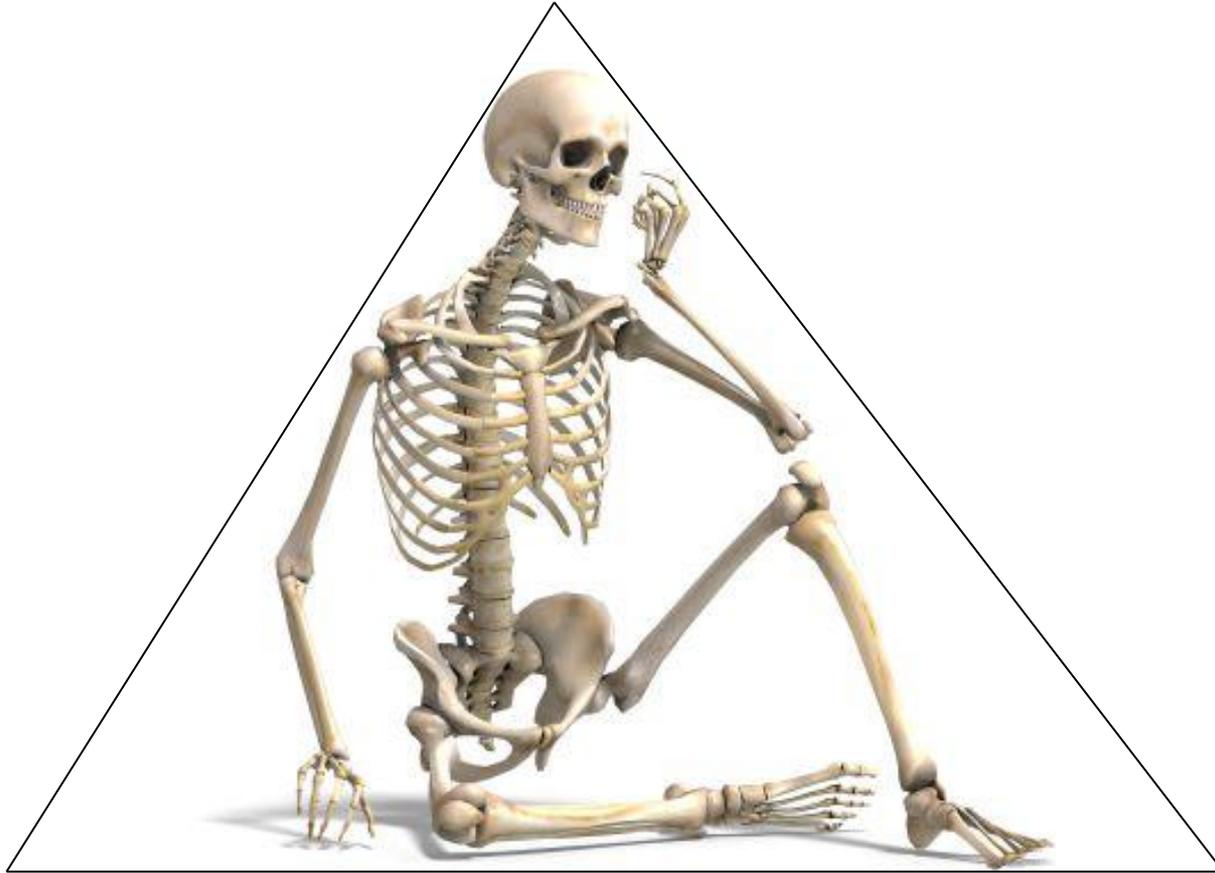
background

---

c'era una volta

# c'era una volta

---



# il sapere

Revisioni sistematiche

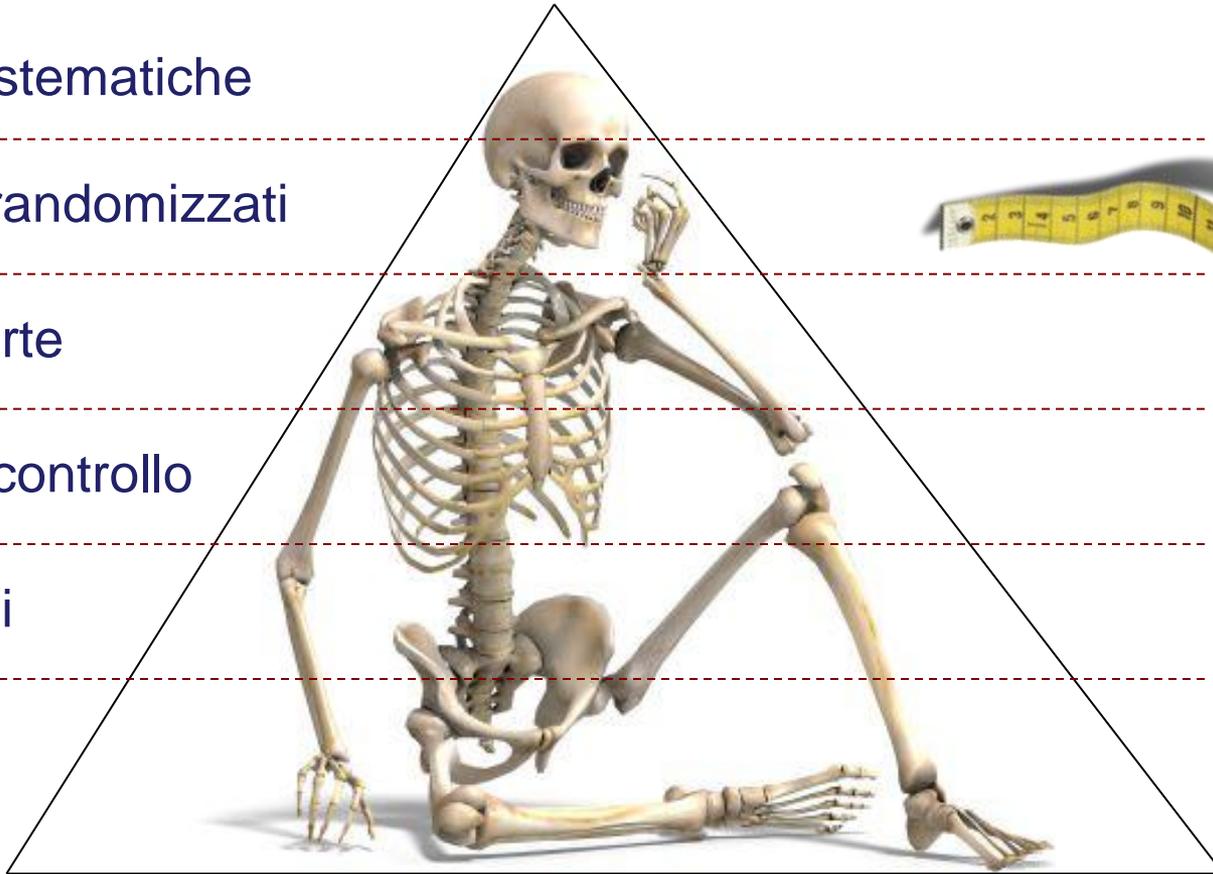
Trial clinici randomizzati

Studi di coorte

Studi caso-controllo

Serie di casi

Opinioni di esperti



# o deboli evidenze

Revisioni sistematiche

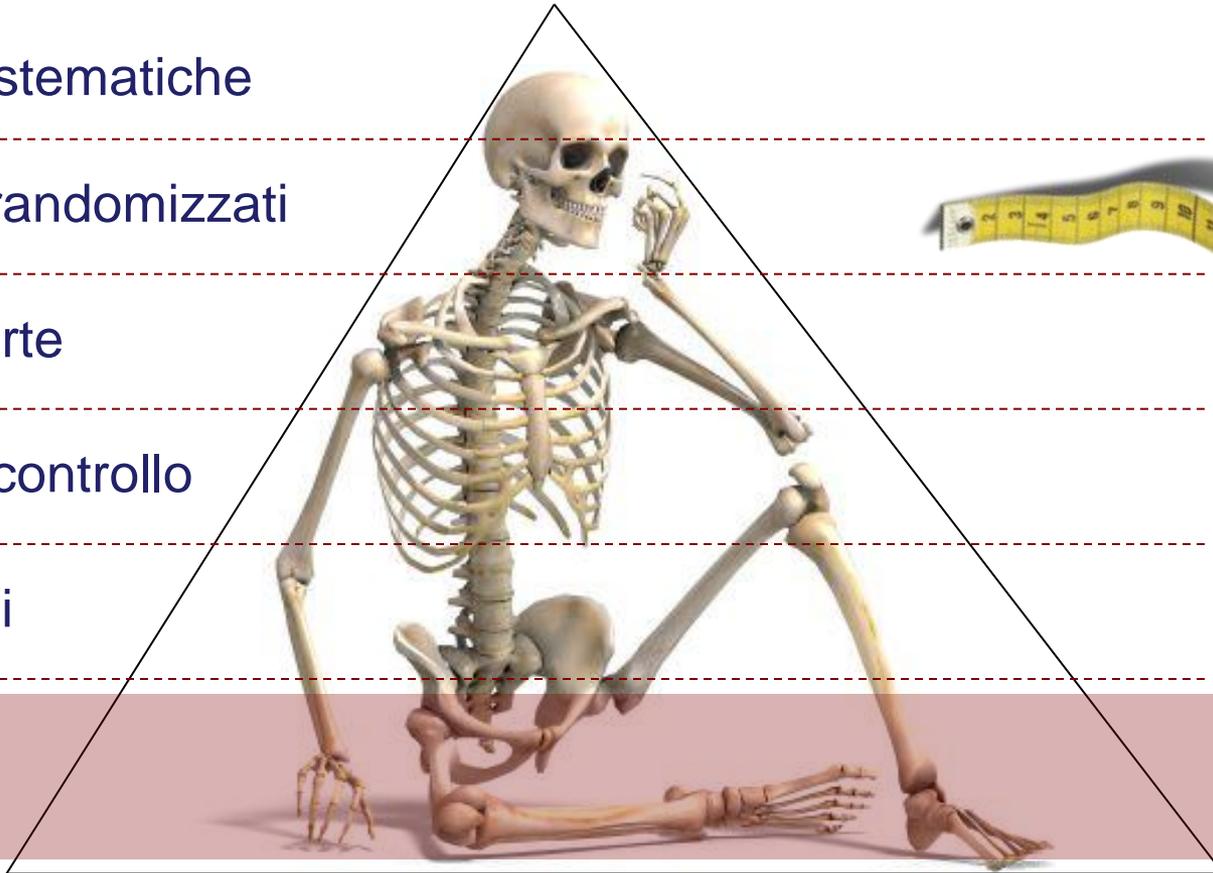
Trial clinici randomizzati

Studi di coorte

Studi caso-controllo

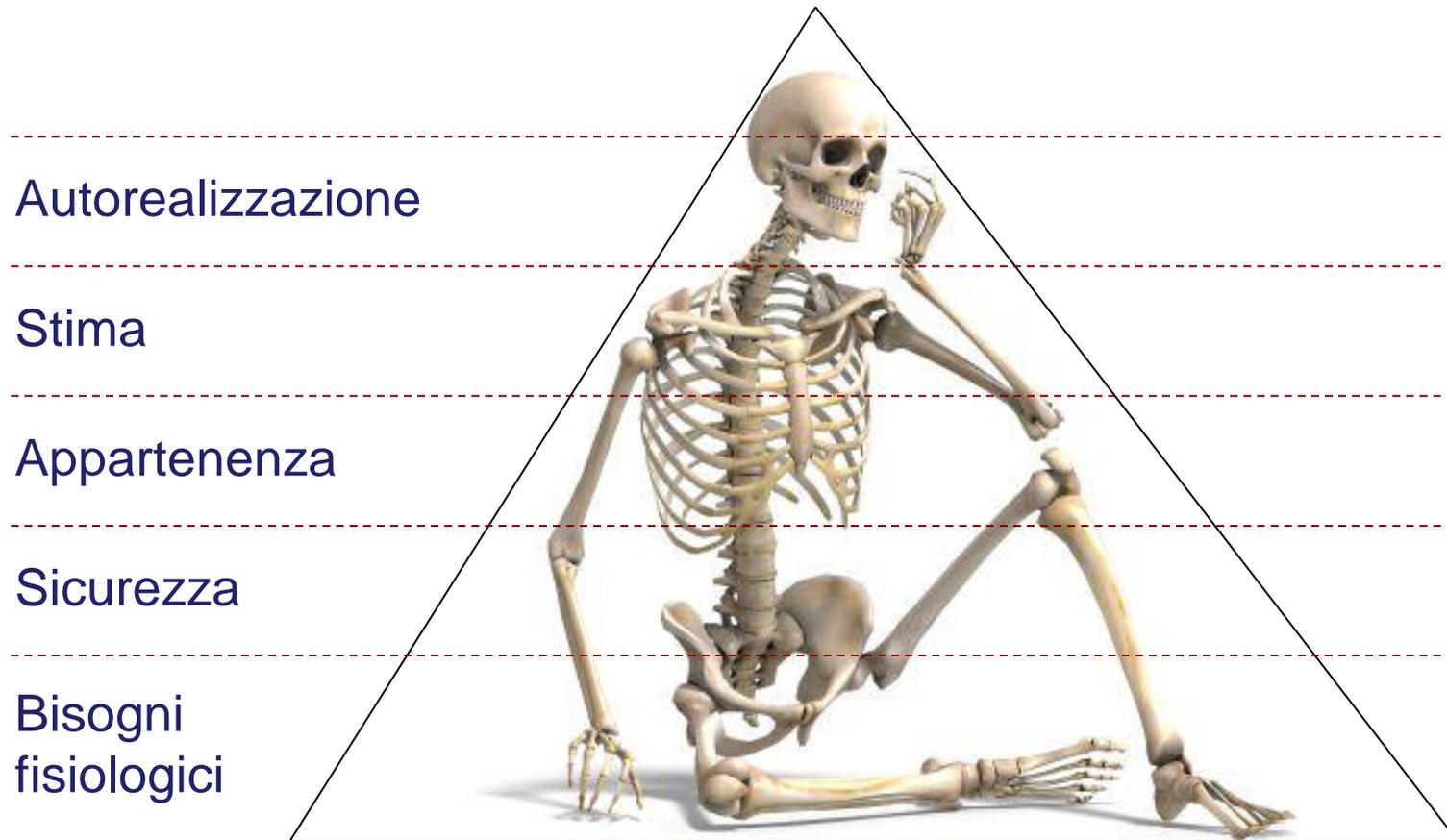
Serie di casi

Opinioni di esperti

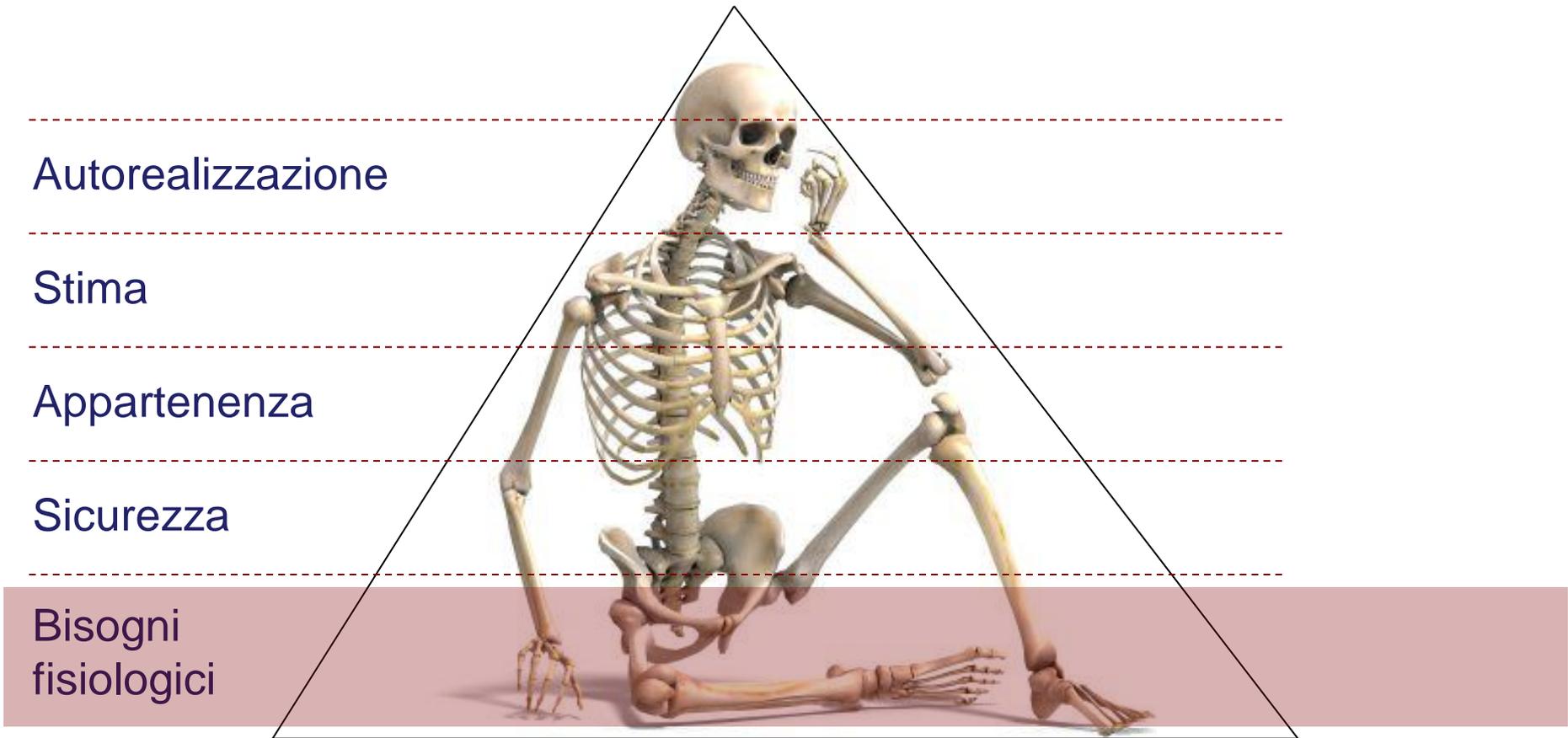


# i bisogni

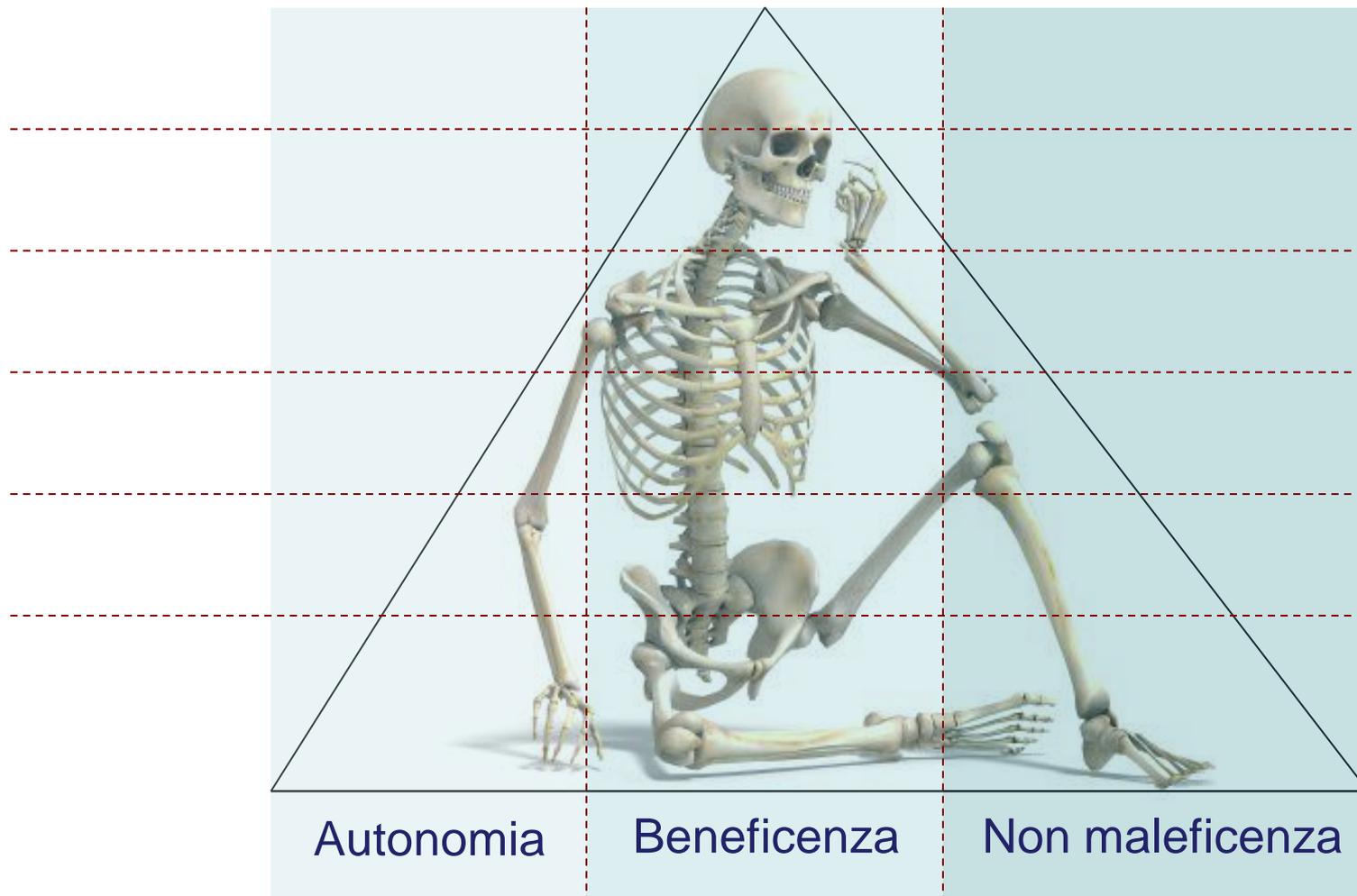
---



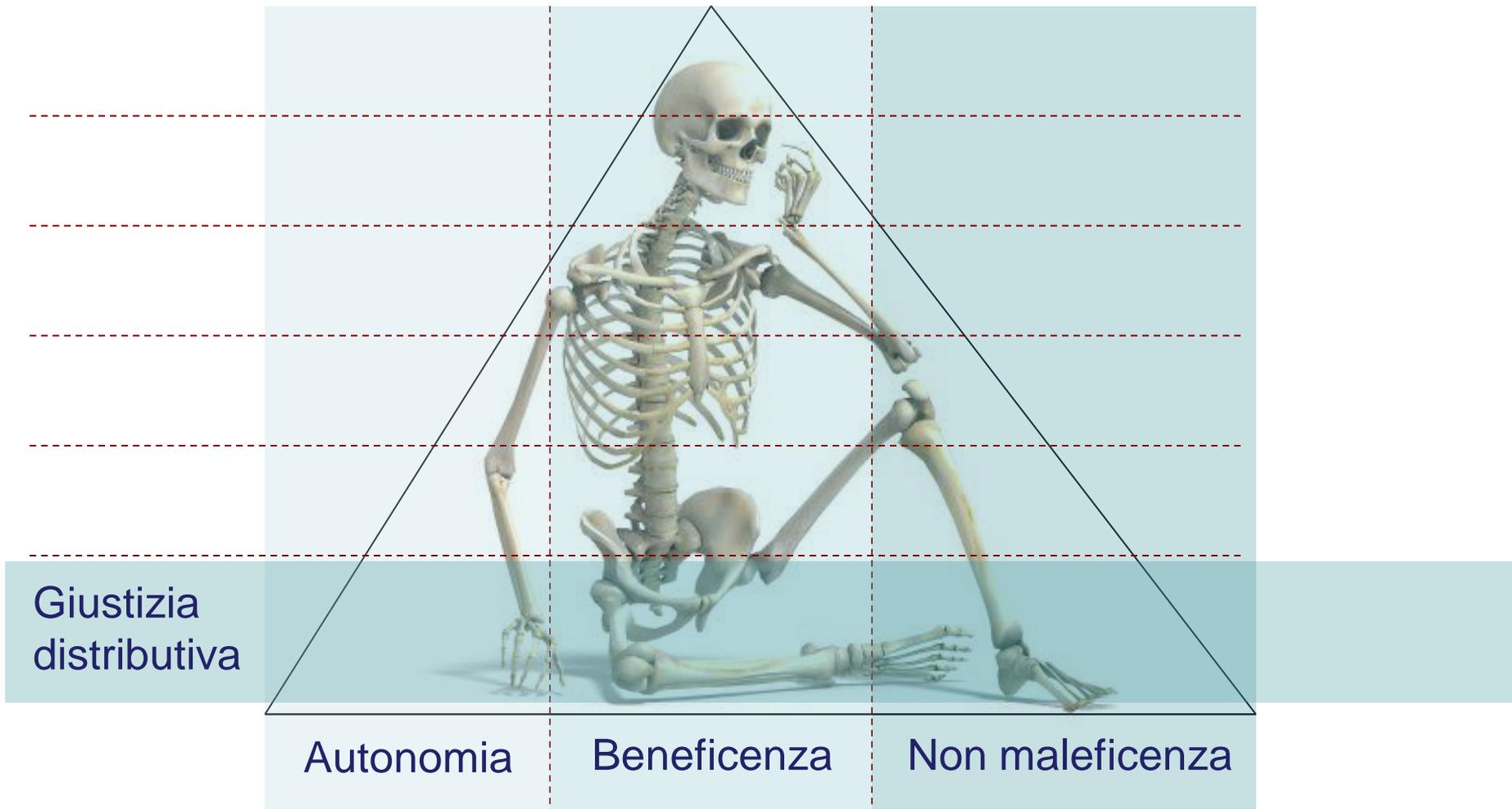
# o le sole necessità vitali



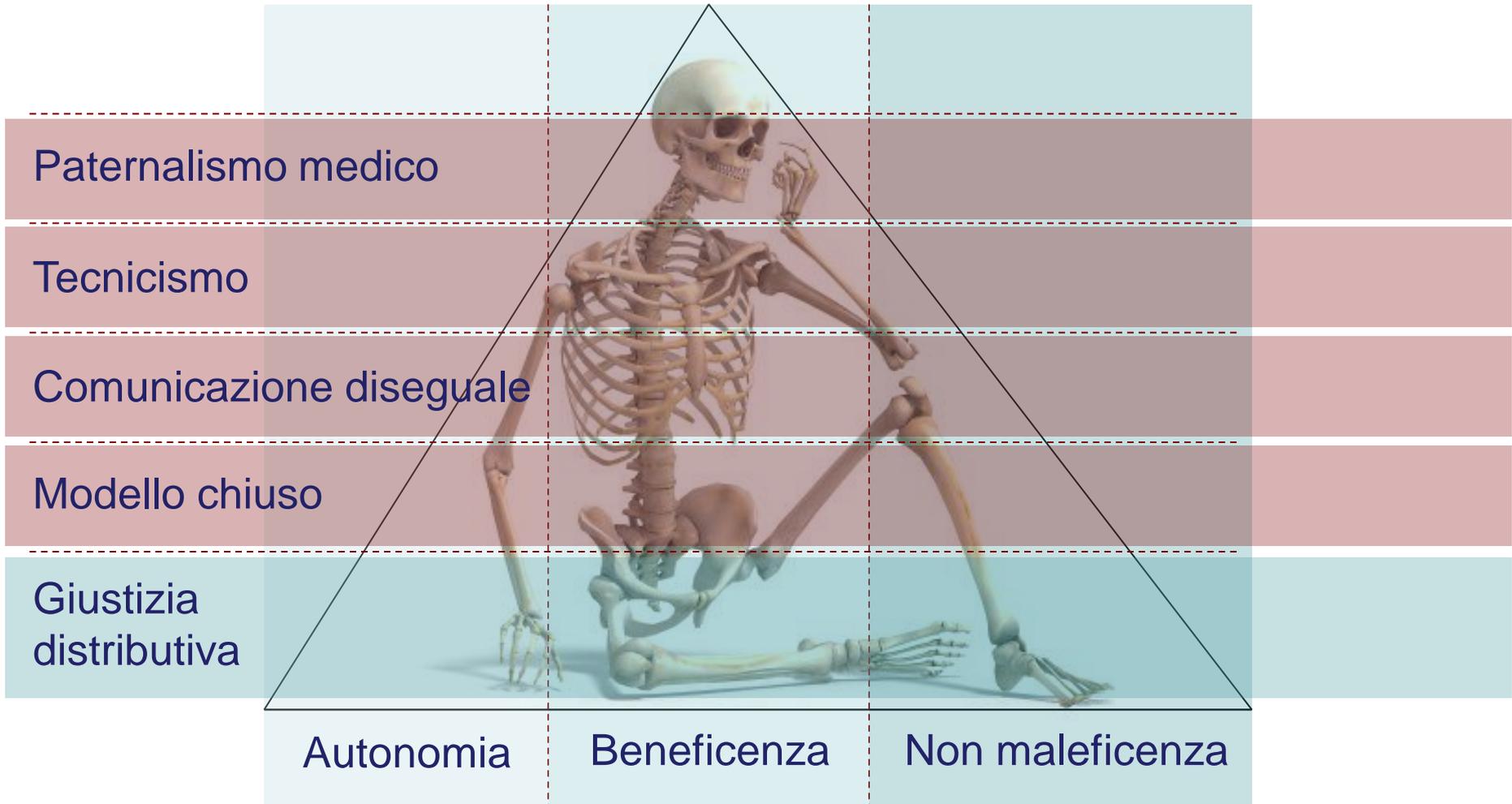
# tra l'ideale di una cura etica



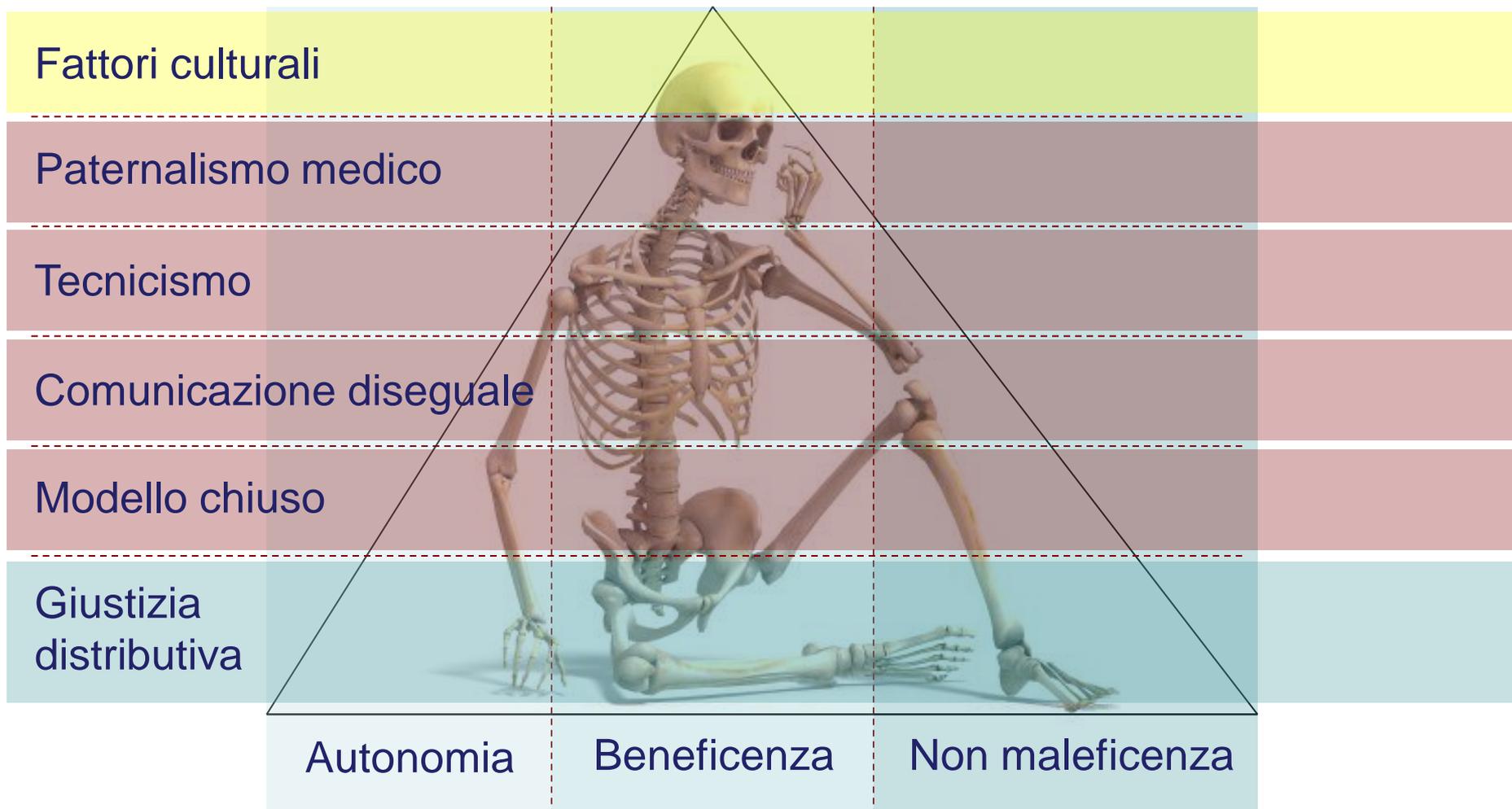
# tra l'ideale di una cura giusta



# e molti dilemmi

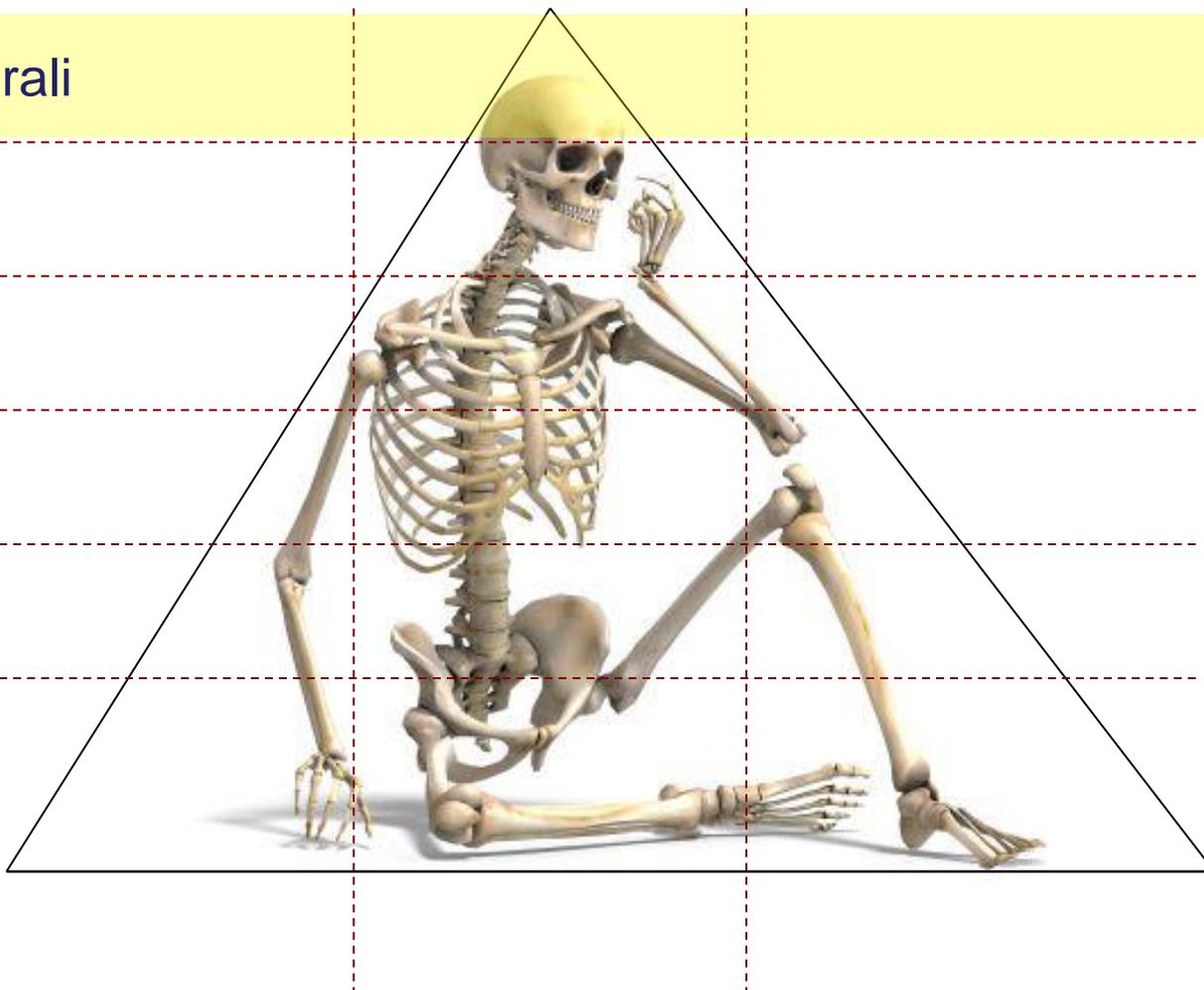


# molti dilemmi e nessuna soluzione



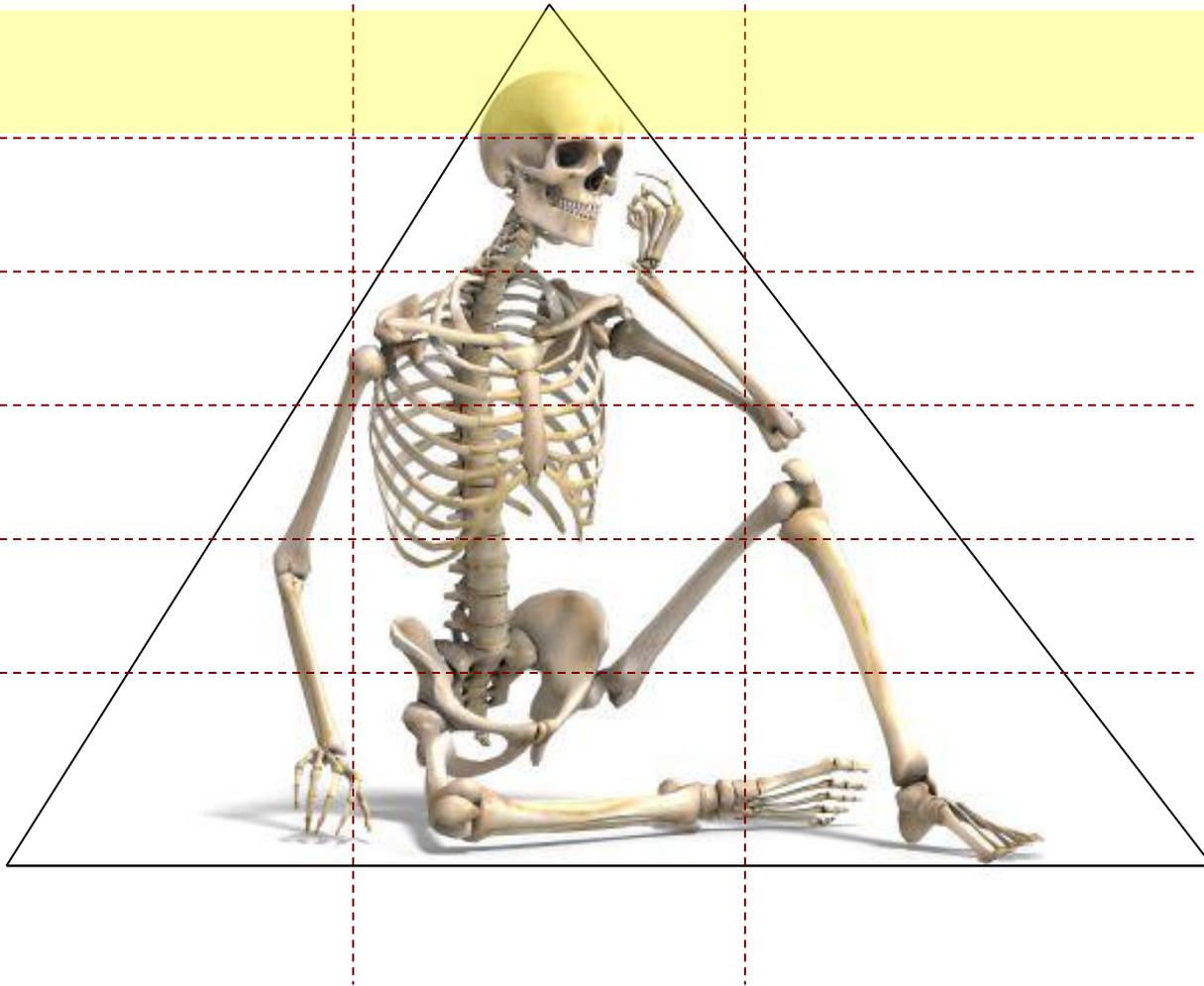
# o forse un solo dilemma

Fattori culturali

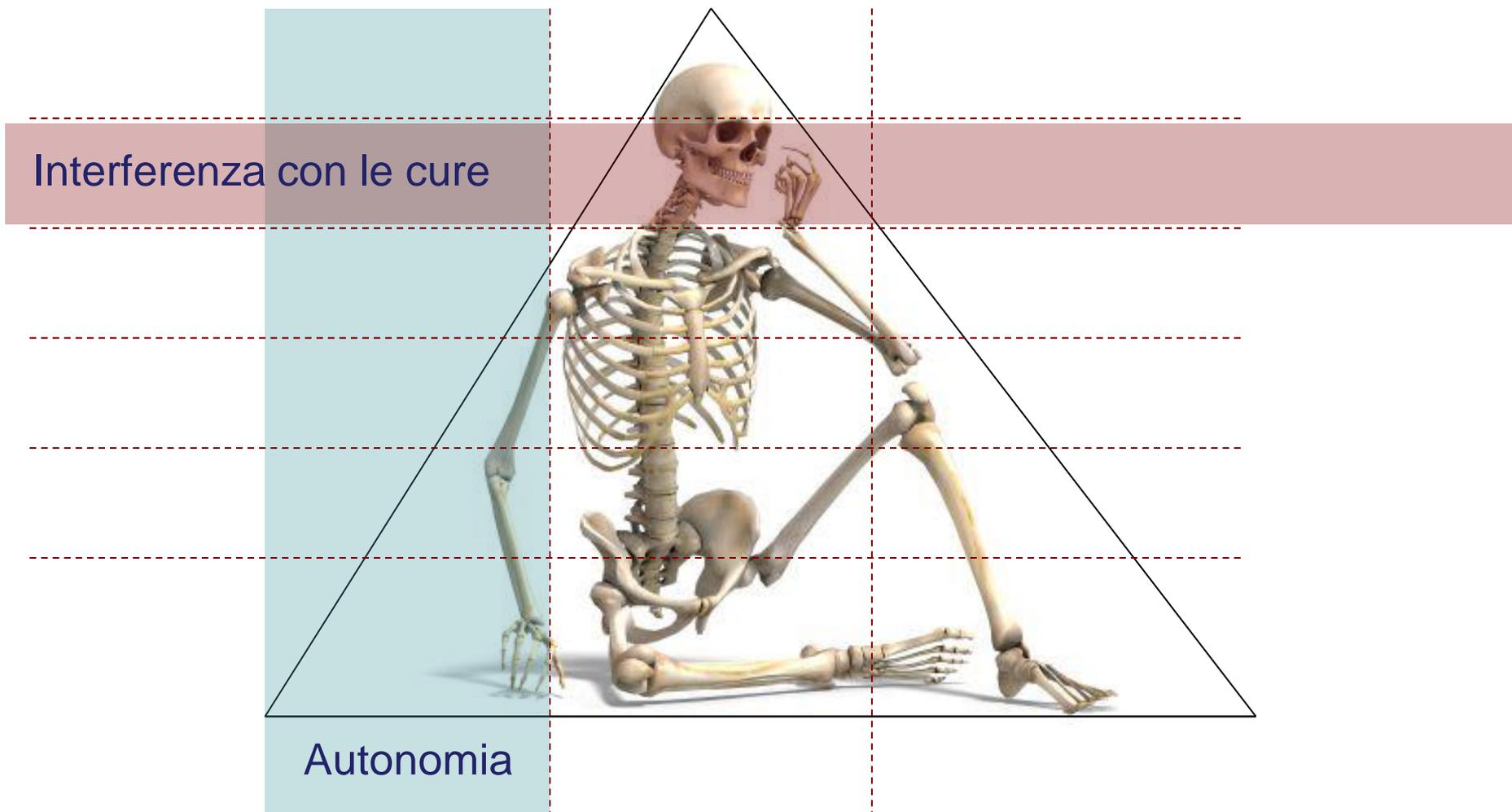


# un solo dilemma e una possibile soluzione

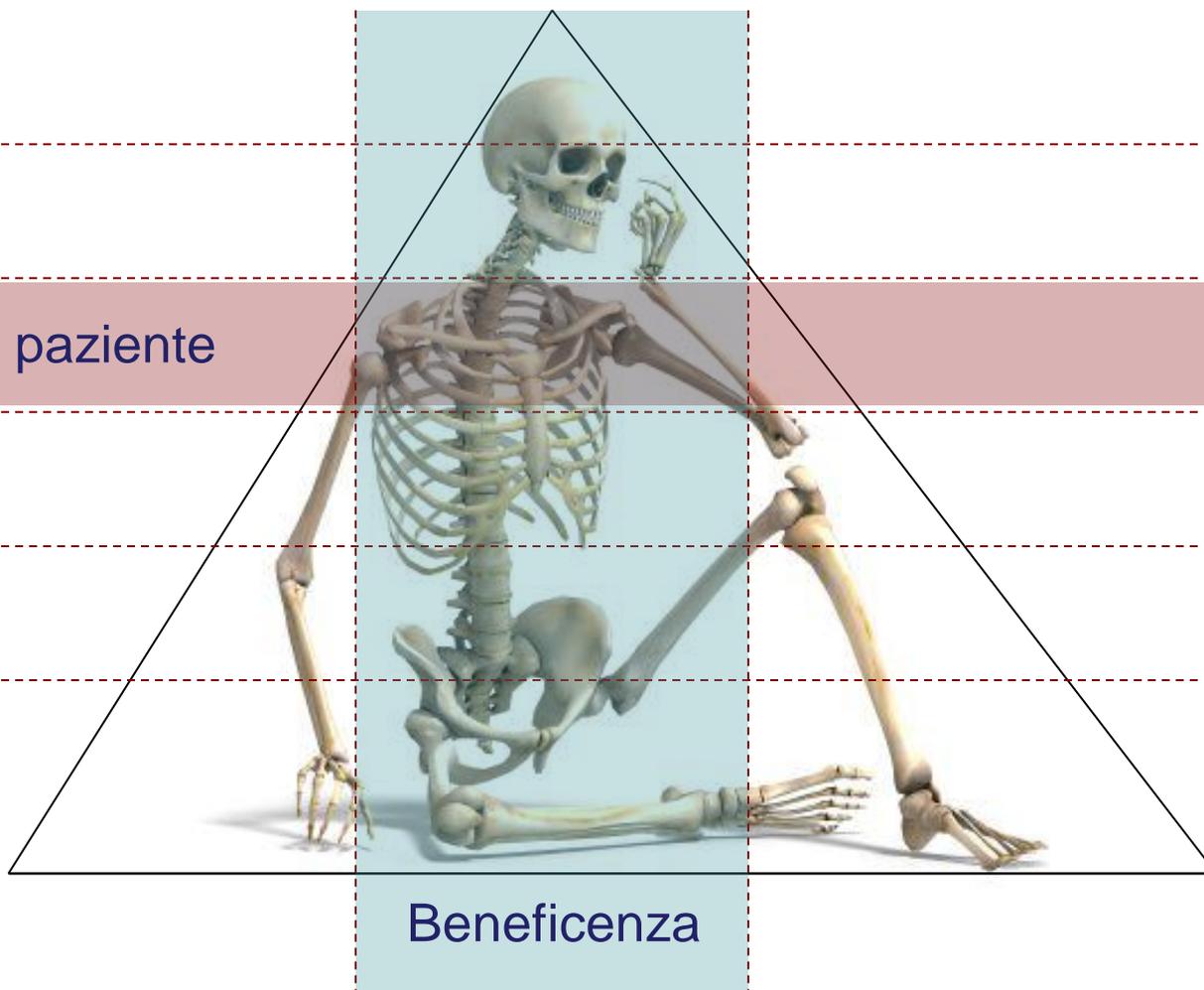
Timori



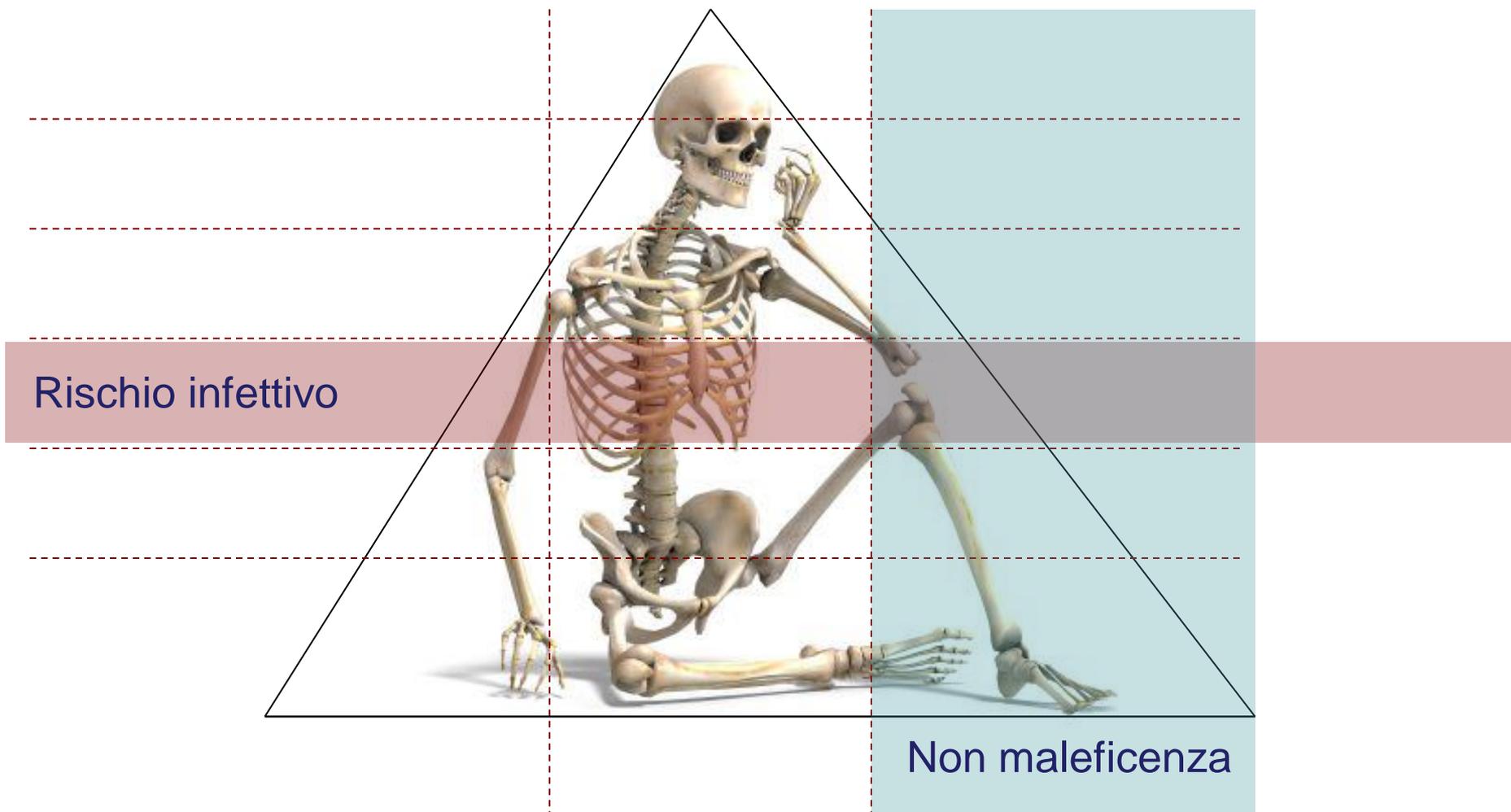
# i nostri timori



# i nostri timori



# i nostri timori



# assioma

---

verità che si  
ammette  
senza  
discussione

grazie per

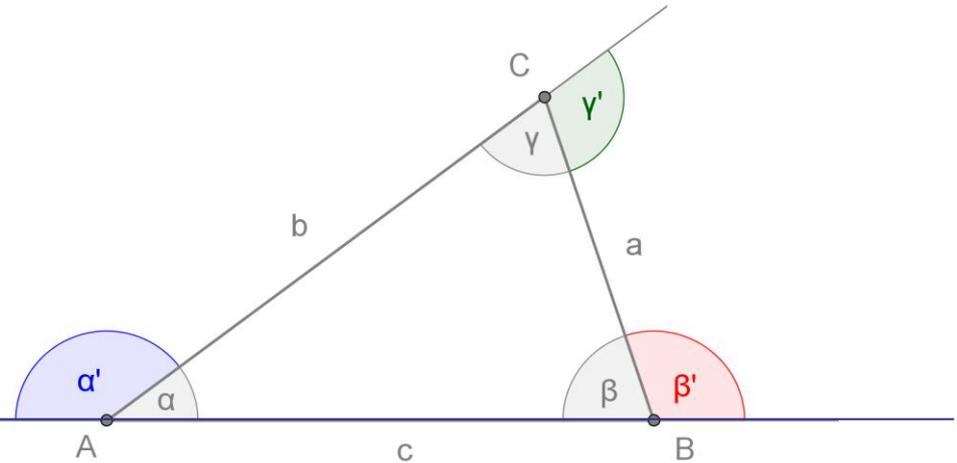
---

**l'attenzione**

# assioma

## geometria

La somma degli angoli interni di un qualsiasi triangolo è pari a  $180^\circ$



# assioma

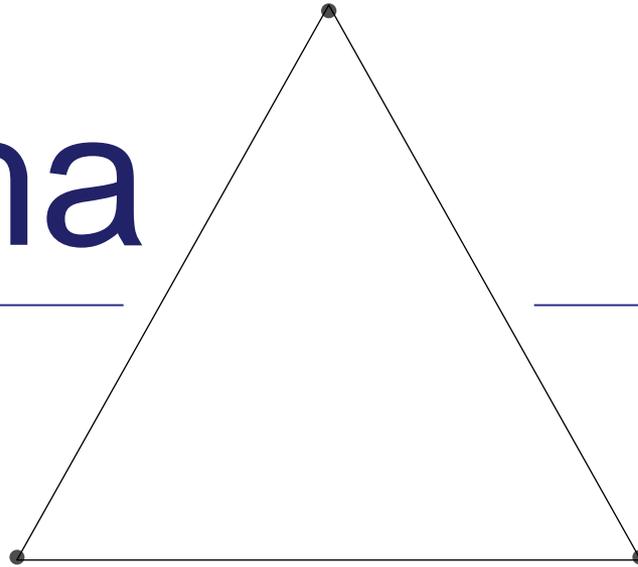
---

geometria

della cura

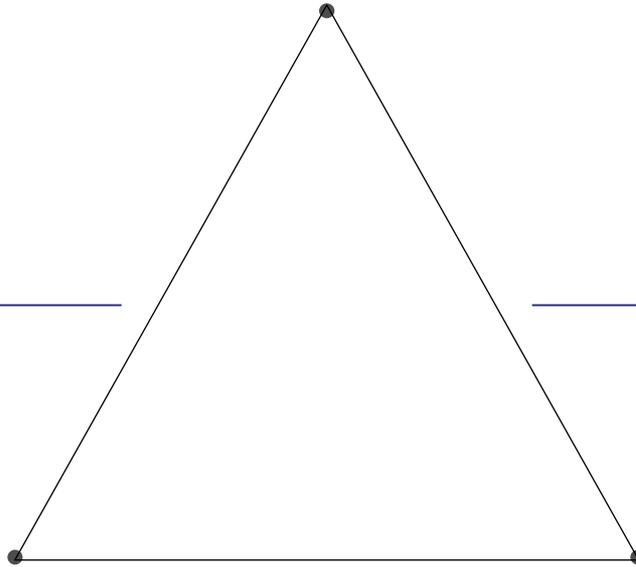
dell'incertezza

della variabilità



# ideali

---

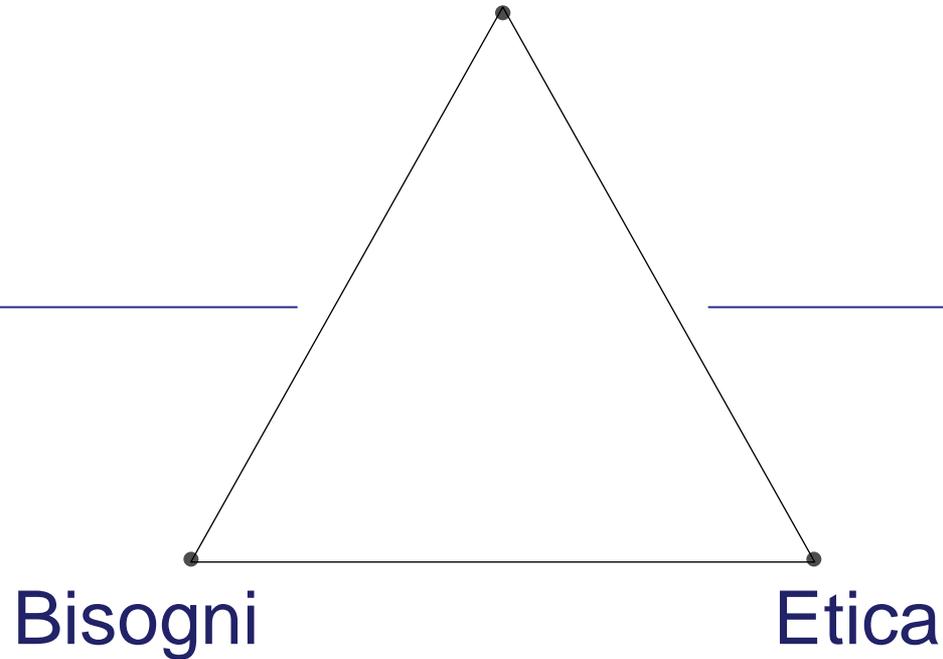


Evidenze

Bisogni

Etica

Il tempo  
dell'appropriatezza  
Evidenze



Il tempo  
dell'appropriatezza  
Evidenze

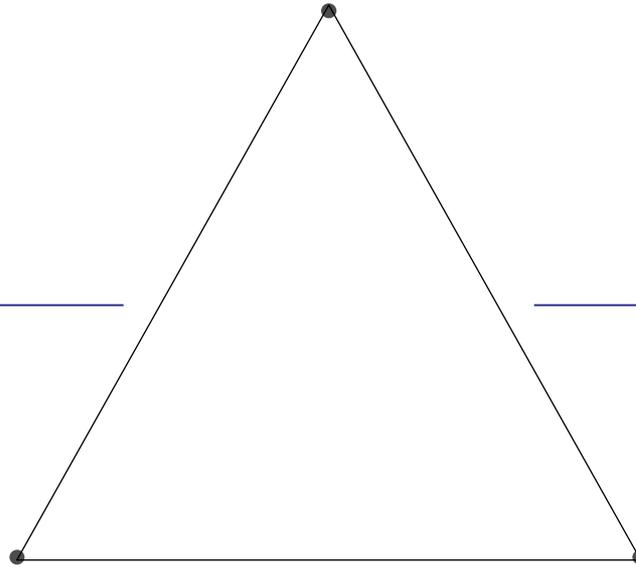
Bisogni

Etica

Il tempo dell'ascolto

**Il tempo  
dell'appropriatezza**

**Evidenze**



**Bisogni**

**Etica**

**Il tempo dell'ascolto**

**Il tempo del rispetto**

Il tempo  
dell'appropriatezza

Evidenze

best  
practice

Bisogni

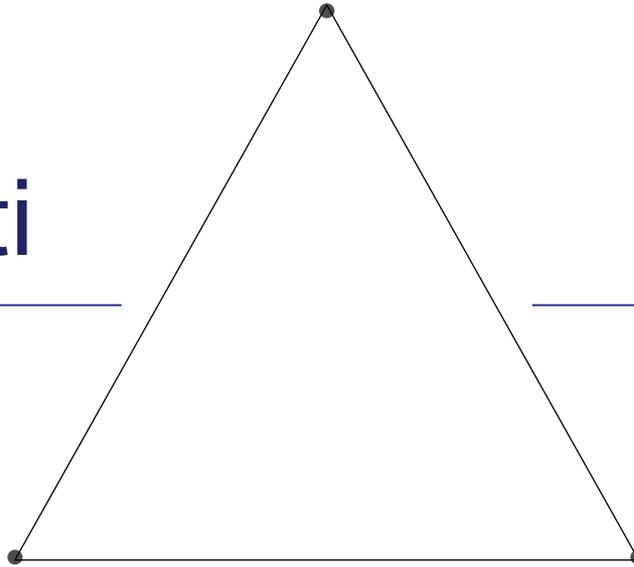
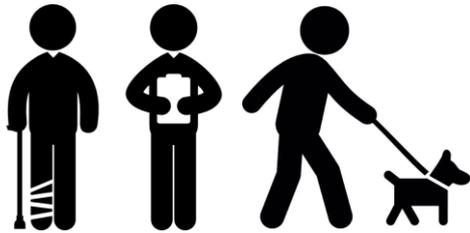
Etica

Il tempo dell'ascolto

Il tempo del rispetto

# i protagonisti

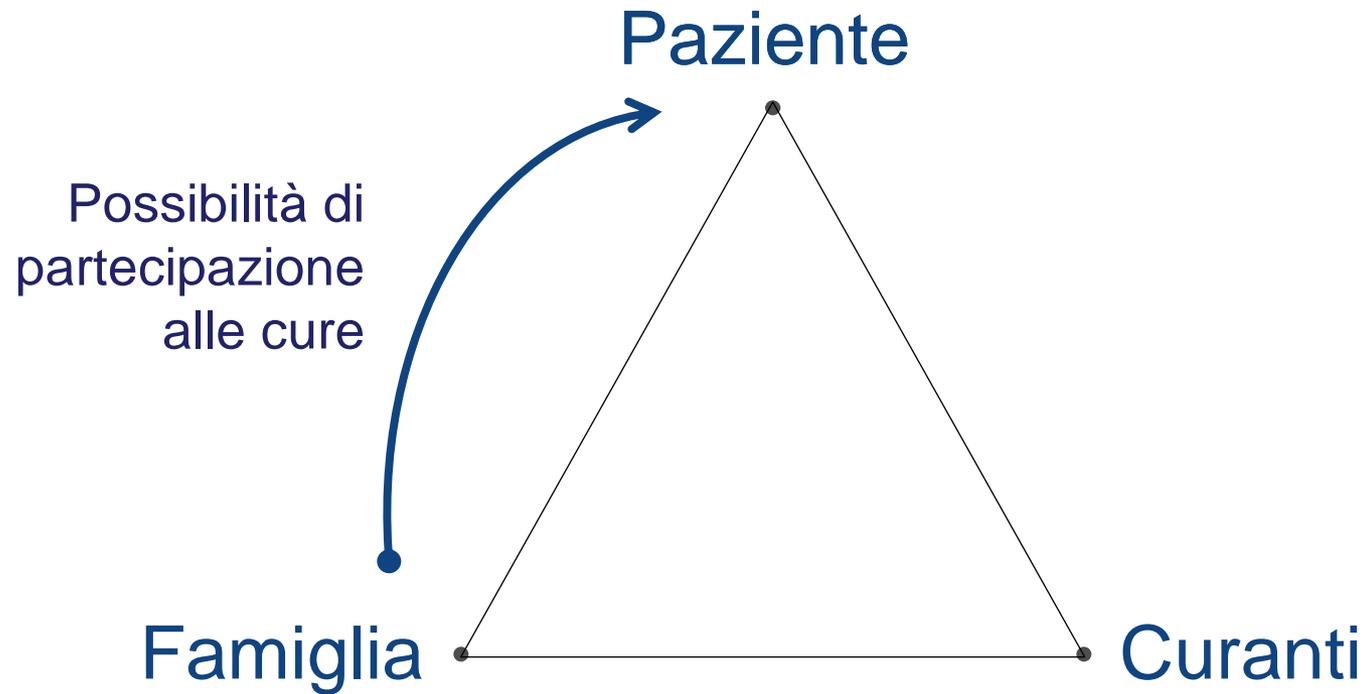
---

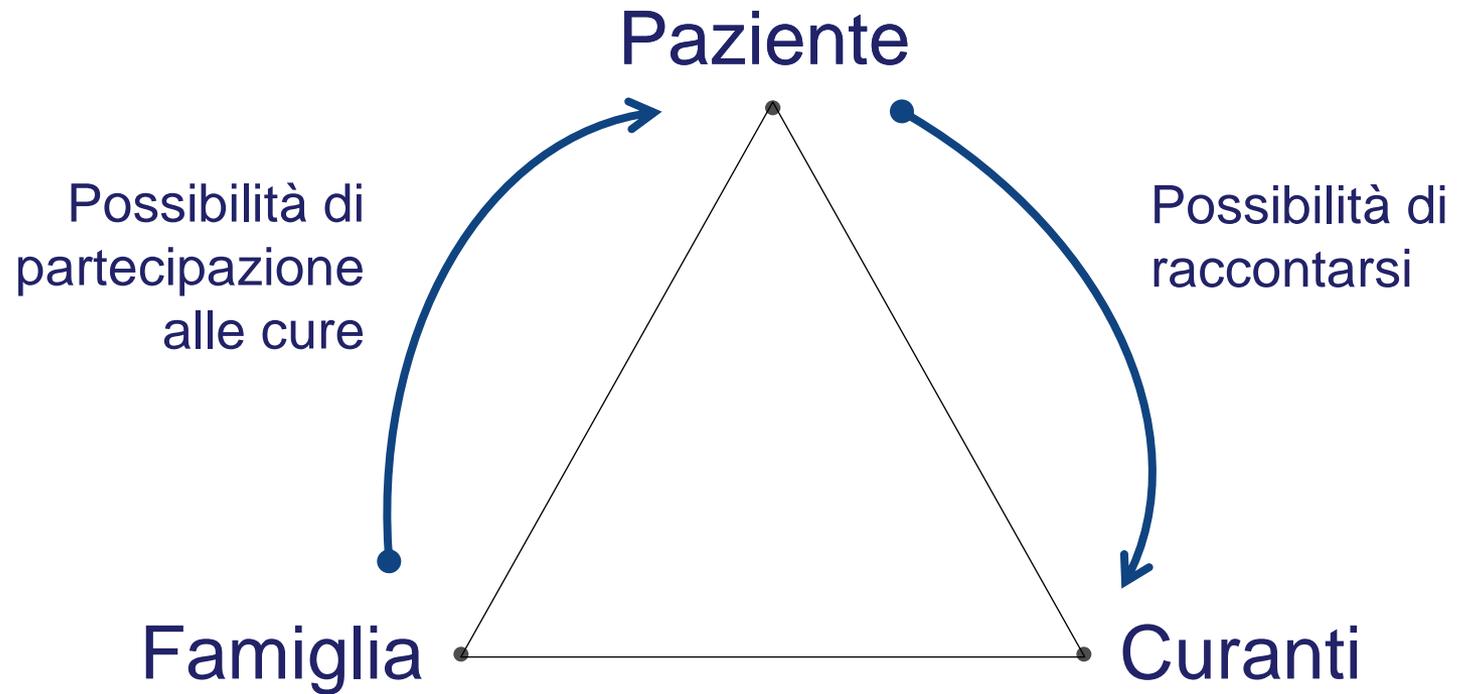


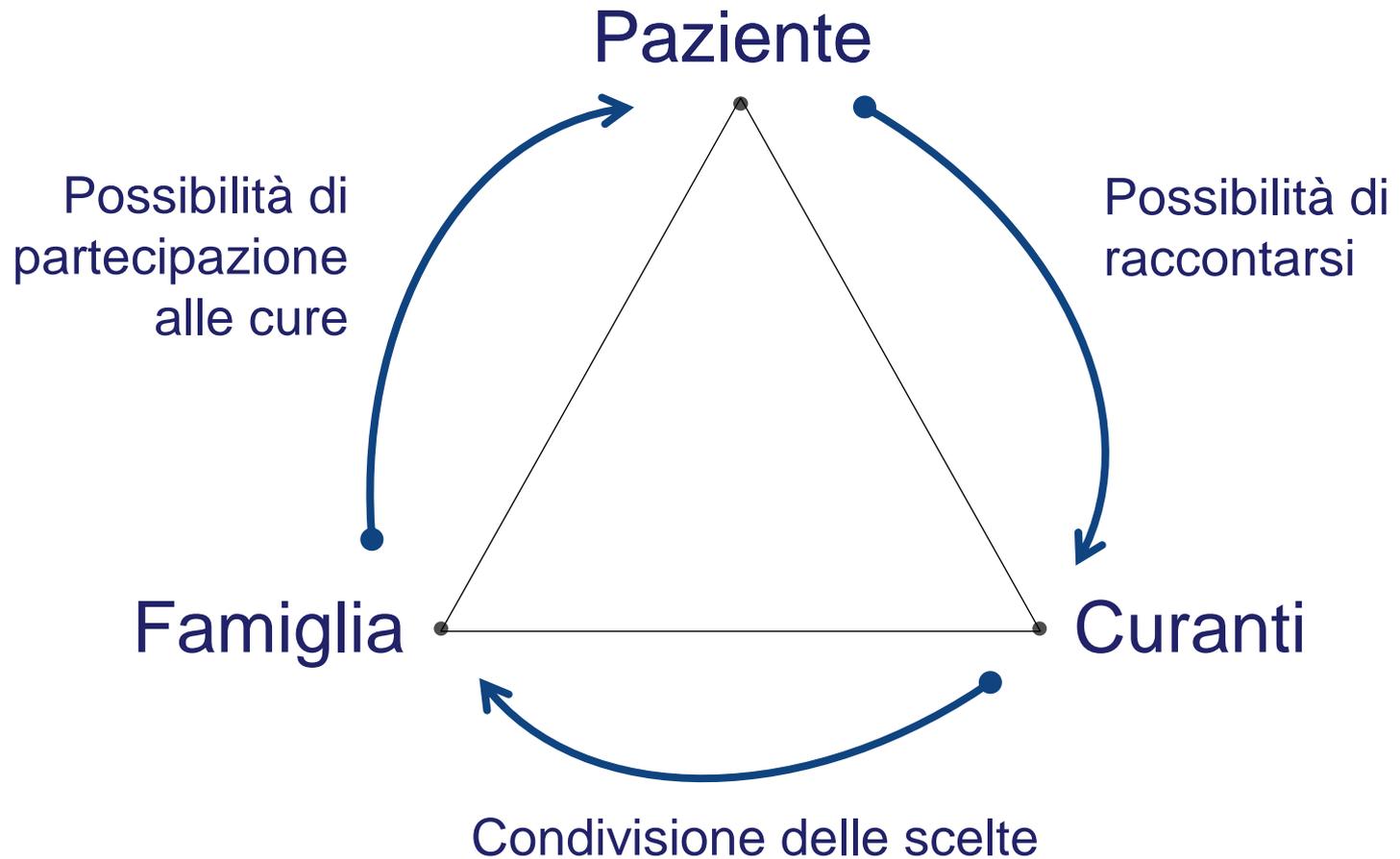
Paziente

Famiglia

Curanti







**Il tempo della  
cura**

Possibilità di  
partecipazione  
alle cure

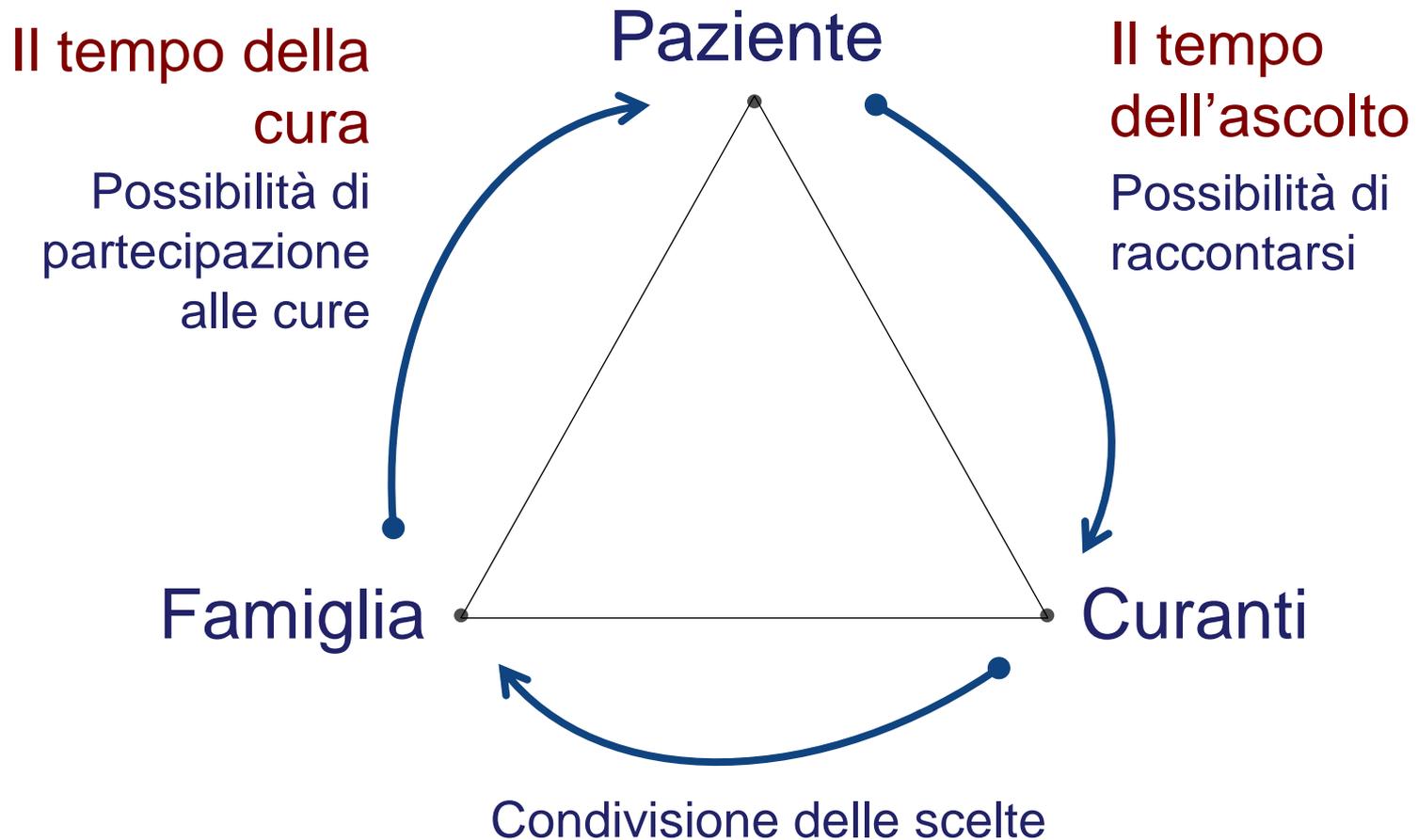
**Paziente**

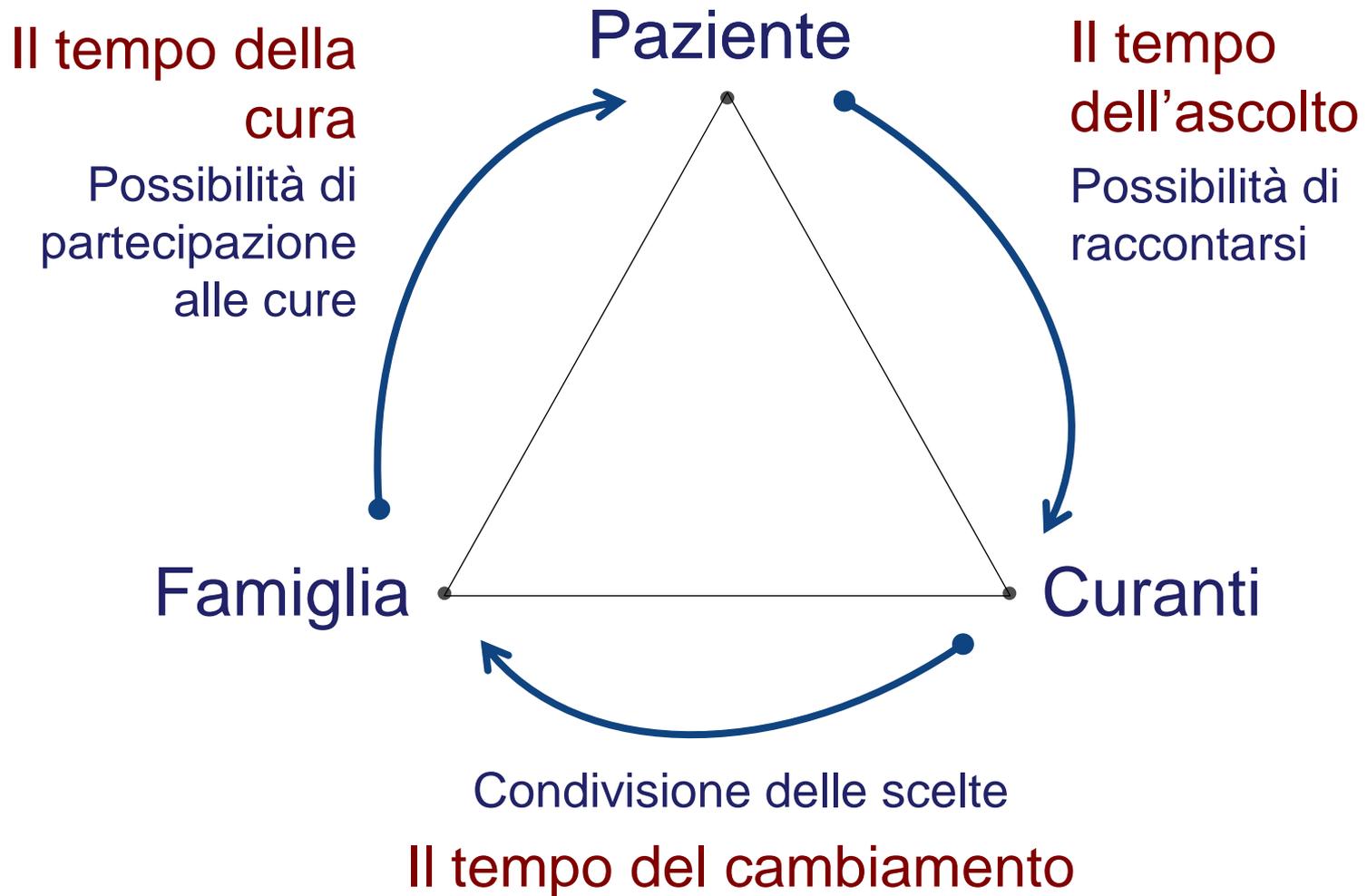
Possibilità di  
raccontarsi

**Famiglia**

**Curanti**

Condivisione delle scelte





# Terapia Intensiva aperta

Possibilità di  
partecipazione  
alle cure

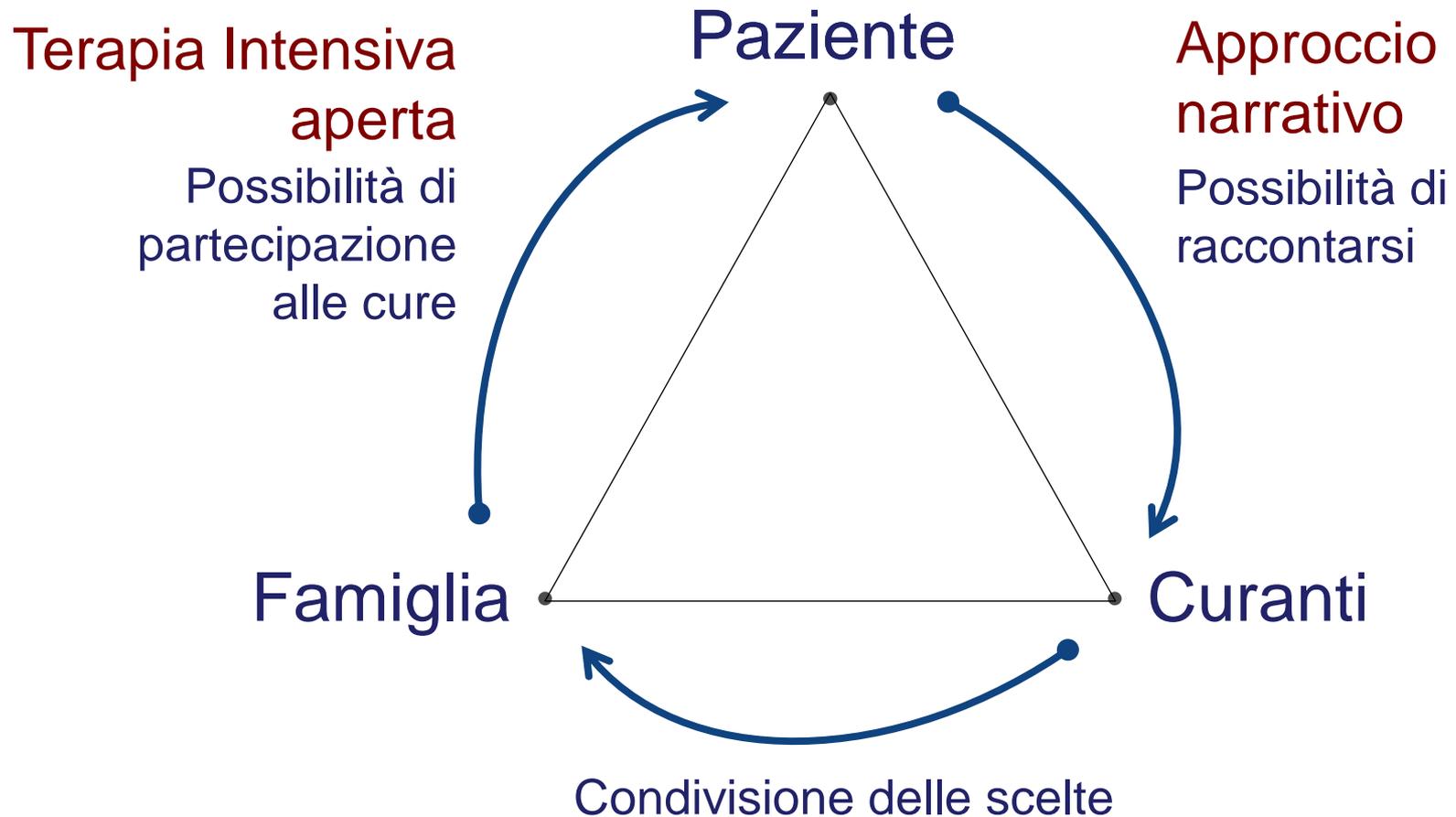
## Paziente

Possibilità di  
raccontarsi

## Famiglia

## Curanti

Condivisione delle scelte



**Terapia Intensiva  
aperta**

Possibilità di  
partecipazione  
alle cure

**Paziente**

**Approccio  
narrativo**

Possibilità di  
raccontarsi

**Famiglia**

**Curanti**

Condivisione delle scelte

**Shared Decision Making**

Cambiamento  
CULTURALE

Terapia Intensiva  
aperta

Possibilità di  
partecipazione  
alle cure

Paziente

Approccio  
narrativo

Possibilità di  
raccontarsi

Famiglia

Curanti

Condivisione delle scelte

Shared Decision Making

Cambiamento  
STRUTTURALE

Cambiamento  
CULTURALE

Terapia Intensiva  
aperta

Possibilità di  
partecipazione  
alle cure

Paziente

Approccio  
narrativo

Possibilità di  
raccontarsi

Famiglia

Curanti

Condivisione delle scelte

Shared Decision Making

Cambiamento  
STRUTTURALE

Cambiamento  
CULTURALE

Terapia Intensiva  
aperta  
Possibilità di  
esserci

Paziente

Approccio  
narrativo  
Possibilità di  
raccontarsi

Famiglia

Curanti

Condivisione delle scelte  
Shared Decision Making

Cambiamento  
STRUTTURALE

Essere  
RICONOSCIUTI

Cambiamento  
CULTURALE

Terapia Intensiva  
aperta  
Possibilità di  
esserci

Paziente

Approccio  
narrativo  
Possibilità di  
raccontarsi

Famiglia

Curanti

Condivisione delle scelte  
Shared Decision Making



tra mito

---

**idealizzare**

e realtà

---

realizzare

Mezzogiorno, riposo dal lavoro

Vincent van Gogh, 1890



# Prima sogno i miei dipinti ...

Mezzogiorno, riposo dal lavoro

Vincent van Gogh, 1890



Prima sogno i miei dipinti ...

poi dipingo i miei

sogni (Vincent van Gogh)

Mezzogiorno, riposo dal lavoro

Vincent van Gogh, 1890



cosa possiamo  
realizzare.~

# il tempo

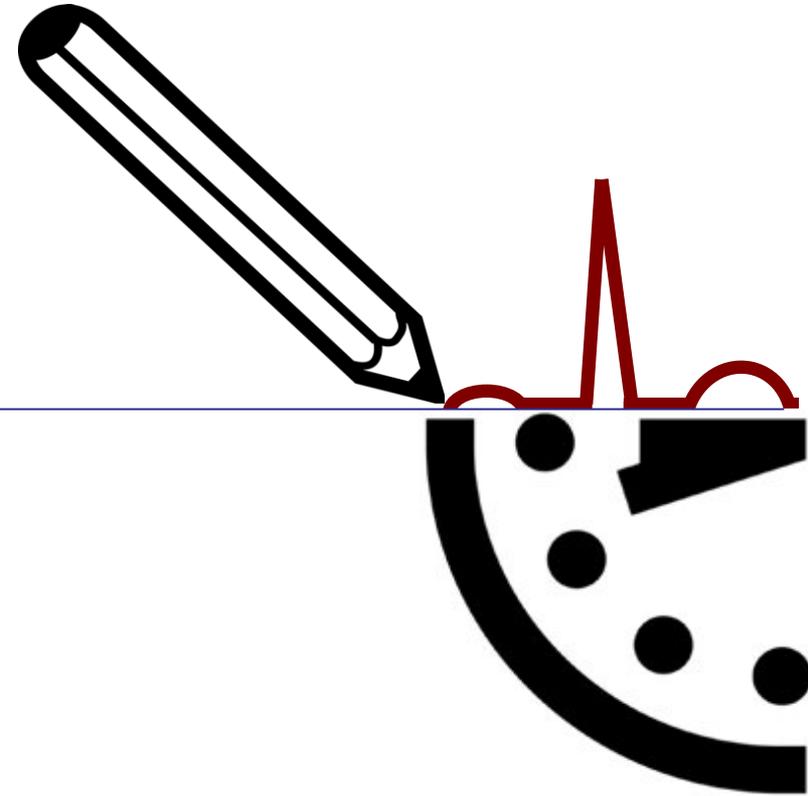
---



# il tempo

---

di ridisegnare la cura  
in terapia intensiva



# Let's open the door !

H. Burchardi

Intensive Care Med (2002)

H. Burchardi

Let's open the door!

Received: 4 June 2002  
Accepted: 5 June 2002  
Published online: 18 July 2002  
© Springer-Verlag 2002

H. Burchardi (✉)  
Zentrum Anaesthesiologie,  
Rettungs- und Intensivmedizin, University Hospital,  
Robert-Koch-Strasse 40, 37075 Göttingen, Germany  
e-mail: hburcha@gwdg.de  
Tel.: +49-551-396027, Fax: +49-551-396530

A recent survey of 95 intensive care units in France [1] has revealed some restrictive visiting policies in nearly all of them. For example, in 97% there were limited visiting hours, in 90% the number of visitors was restricted, in 55% children were not (or were only restrictively) allowed to visit their relatives, and in 40% only immediate relatives were permitted. We all should be grateful that this matter has been called to our attention. It is time to think over our relationship with our patients and their families and friends. Back in 1993 the United States American Association of Critical Care Nurses (AACN) held a consensus conference on fostering a more humane critical care [2]. Apparently, caregivers' perceptions are slowly changing. At least the needs of the families are now well noticed [3].

In my view, there are five good reasons to open the ICUs for relatives and visitors:

1. Opening the ICU to the public does not pose a medical risk. We know that ICUs are sites with a high risk of infection. However, this is due mainly to nosocomial infections [4]. The incidence of nosocomial infections in ICUs is five to ten times higher than the incidence in general wards [5]. The European Prevalence of Infection in Intensive Care (EPIC) study, a prevalence study conducted in 1417 ICUs in 17 European countries in 1992, found that 45% of the ICU patients were infected and 21% had ICU-acquired infections, often with multiresistant micro-organisms [6]. In a more recent epidemiological European study in 14,364 ICU patients, 21% already had infections on admission [7]. Of those previously

without infection, 8% acquired an infection during their ICU stay. One-half of the ICU-acquired infections, however, occurred in patients already infected when they were admitted to the ICU. It is generally accepted that the predominant risk of infection is the transfer of micro-organisms from patient to patient by caregivers' activities. Therefore consistent and frequent handwashing is recommended as the most important preventive measure. The risk of nosocomial infections is not caused by visitors from outside the hospital. Even protective clothing for visitors (including shoes) is not recommended as a measure of infection control [8]; it may, however, have some psychological effects for the visitors to bear in mind the special conditions of an ICU. Consequently we opened our ICU to visitors many years ago. They are allowed to come more or less whenever they want (except some busy hours during medical rounds). Our team is now accustomed to the fact that most of the time there are visitors and relatives present. At most, the team members sometimes complain of being held up in their routine work – but, honestly, we should be ashamed of such arguments! An important improvement would be some intimate place in all ICUs, close to the unit, where visitors can wait, relax, and contemplate, and where they can have confidential conversations with nurses and physicians. We must never forget that relatives are often exposed to unexpected grief and sorrow in the ICU.

2. Repeated communication with relatives is an essential part of the medical information process. Providing information and guidance is an important part of our medical mission. The goal is not merely to provide information about the disease and our medical activities. Even more important is the creation of a relationship of trust and confidence with the relatives. This may be even more important in intensive care than anywhere else, because of the mostly acute and threatening characteristic of the situation. Open-minded and compassionate conversation with family members creates confidence much more effectively than a businesslike, hasty transmission of objective facts. Building up such a confidential relationship takes time. Both sides must learn to understand the other.

# Let's open the door !

H. Burchardi

Intensive Care Med (2002)

“ È tempo di riconoscere che le terapie intensive devono essere un luogo dove l'umanità abbia alta priorità. È tempo di aprire quelle terapie intensive che sono ancora chiuse “

H. Burchardi

Let's open the door!

Received: 4 June 2002  
Accepted: 5 June 2002  
Published online: 18 July 2002  
© Springer-Verlag 2002

H. Burchardi (✉)  
Zentrum Anaesthesiologie,  
Rettungs- und Intensivmedizin, University Hospital,  
Robert-Koch-Strasse 40, 37075 Göttingen, Germany  
e-mail: hburcha@gwdg.de  
Tel.: +49-551-396027, Fax: +49-551-396530

A recent survey of 95 intensive care units in France [1] has revealed some restrictive visiting policies in nearly all of them. For example, in 97% there were limited visiting hours, in 90% the number of visitors was restricted, in 55% children were not (or were only restrictively) allowed to visit their relatives, and in 40% only immediate relatives were permitted. We all should be grateful that this matter has been called to our attention. It is time to think over our relationship with our patients and their families and friends. Back in 1993 the United States American Association of Critical Care Nurses (AACN) held a consensus conference on fostering a more humane critical care [2]. Apparently, caregivers' perceptions are slowly changing. At least the needs of the families are now well noticed [3].

In my view, there are five good reasons to open the ICUs for relatives and visitors:

1. Opening the ICU to the public does not pose a medical risk. We know that ICUs are sites with a high risk of infection. However, this is due mainly to nosocomial infections [4]. The incidence of nosocomial infections in ICUs is five to ten times higher than the incidence in general wards [5]. The European Prevalence of Infection in Intensive Care (EPIC) study, a prevalence study conducted in 1417 ICUs in 17 European countries in 1992, found that 45% of the ICU patients were infected and 21% had ICU-acquired infections, often with multiresistant micro-organisms [6]. In a more recent epidemiological European study in 14,364 ICU patients, 21% already had infections on admission [7]. Of those previously

without infection, 8% acquired an infection during their ICU stay. One-half of the ICU-acquired infections, however, occurred in patients already infected when they were admitted to the ICU. It is generally accepted that the predominant risk of infection is the transfer of micro-organisms from patient to patient by caregivers' activities. Therefore consistent and frequent handwashing is recommended as the most important preventive measure. The risk of nosocomial infections is not caused by visitors from outside the hospital. Even protective clothing for visitors (including shoes) is not recommended as a measure of infection control [8]; it may, however, have some psychological effects for the visitors to bear in mind the special conditions of an ICU. Consequently we opened our ICU to visitors many years ago. They are allowed to come more or less whenever they want (except some busy hours during medical rounds). Our team is now accustomed to the fact that most of the time there are visitors and relatives present. At most, the team members sometimes complain of being held up in their routine work – but, honestly, we should be ashamed of such arguments! An important improvement would be some intimate place in all ICUs, close to the unit, where visitors can wait, relax, and contemplate, and where they can have confidential conversations with nurses and physicians. We must never forget that relatives are often exposed to unexpected grief and sorrow in the ICU.

2. Repeated communication with relatives is an essential part of the medical information process. Providing information and guidance is an important part of our medical mission. The goal is not merely to provide information about the disease and our medical activities. Even more important is the creation of a relationship of trust and confidence with the relatives. This may be even more important in intensive care than anywhere else, because of the mostly acute and threatening characteristic of the situation. Open-minded and compassionate conversation with family members creates confidence much more effectively than a businesslike, hasty transmission of objective facts. Building up such a confidential relationship takes time. Both sides must learn to understand the other.

# Let's open the door !

# 2002



H. Burchardi

Let's open the door!

Received: 4 June 2002  
Accepted: 5 June 2002  
Published online: 18 July 2002  
© Springer-Verlag 2002

H. Burchardi (✉)  
Zentrum Anaesthesiologie,  
Rettungs- und Intensivmedizin, University Hospital,  
Robert-Koch-Strasse 40, 37075 Göttingen, Germany  
e-mail: hburcha@gwdg.de  
Tel.: +49-551-396027, Fax: +49-551-396530

A recent survey of 95 intensive care units in France [1] has revealed some restrictive visiting policies in nearly all of them. For example, in 97% there were limited visiting hours, in 90% the number of visitors was restricted, in 55% children were not (or were only restrictively) allowed to visit their relatives, and in 40% only immediate relatives were permitted. We all should be grateful that this matter has been called to our attention. It is time to think over our relationship with our patients and their families and friends. Back in 1993 the United States American Association of Critical Care Nurses (AACN) held a consensus conference on fostering a more humane critical care [2]. Apparently, caregivers' perceptions are slowly changing. At least the needs of the families are now well noticed [3].

In my view, there are five good reasons to open the ICUs for relatives and visitors:

1. Opening the ICU to the public does not pose a medical risk. We know that ICUs are sites with a high risk of infection. However, this is due mainly to nosocomial infections [4]. The incidence of nosocomial infections in ICUs is five to ten times higher than the incidence in general wards [5]. The European Prevalence of Infection in Intensive Care (EPIC) study, a prevalence study conducted in 1417 ICUs in 17 European countries in 1992, found that 45% of the ICU patients were infected and 21% had ICU-acquired infections, often with multiresistant micro-organisms [6]. In a more recent epidemiological European study in 14,364 ICU patients, 21% already had infections on admission [7]. Of those previously

without infection, 8% acquired an infection during their ICU stay. One-half of the ICU-acquired infections, however, occurred in patients already infected when they were admitted to the ICU. It is generally accepted that the predominant risk of infection is the transfer of micro-organisms from patient to patient by caregivers' activities. Therefore consistent and frequent handwashing is recommended as the most important preventive measure. The risk of nosocomial infections is not caused by visitors from outside the hospital. Even protective clothing for visitors (including shoes) is not recommended as a measure of infection control [8]; it may, however, have some psychological effects for the visitors to bear in mind the special conditions of an ICU. Consequently we opened our ICU to visitors many years ago. They are allowed to come more or less whenever they want (except some busy hours during medical rounds). Our team is now accustomed to the fact that most of the time there are visitors and relatives present. At most, the team members sometimes complain of being held up in their routine work – but, honestly, we should be ashamed of such arguments! An important improvement would be some intimate place in all ICUs, close to the unit, where visitors can wait, relax, and contemplate, and where they can have confidential conversations with nurses and physicians. We must never forget that relatives are often exposed to unexpected grief and sorrow in the ICU.

2. Repeated communication with relatives is an essential part of the medical information process. Providing information and guidance is an important part of our medical mission. The goal is not merely to provide information about the disease and our medical activities. Even more important is the creation of a relationship of trust and confidence with the relatives. This may be even more important in intensive care than anywhere else, because of the mostly acute and threatening characteristic of the situation. Open-minded and compassionate conversation with family members creates confidence much more effectively than a businesslike, hasty transmission of objective facts. Building up such a confidential relationship takes time. Both sides must learn to understand the other.

# benvenuti in terapia intensiva

---



# Una medicina



# Una medicina

- Tecnicismo clinico
- Riduzione del contatto
- Depersonalizzazione
- Depersonalizzazione
- Parcellizzazione del



# Una medicina

- **Tecnicismo clinico**
- **Riduzione del contatto**
- Depersonalizzazione
- Depersonalizzazione
- Parcellizzazione del



# Una medicina

- **Tecnicismo clinico**
- **Riduzione del contatto**
- Depersonalizzazione
- Depersonalizzazione
- Parcellizzazione del



# Una medicina

- **Tecnicismo clinico**
- **Riduzione del contatto**
- Depersonalizzazione
- Depersonalizzazione
- Parcellizzazione del



Sospensione  
del tempo

L'attesa della  
malattia



*to* **cure**

---

*to* **care**





La camera di Vincent ad Arles, Vincent van Gogh 1888



# La Terapia Intensiva Aperta

---

Rimozione delle barriere

**temporali, fisiche e relazionali**  
non necessarie alla cura del paziente

A close-up, slightly blurred photograph of a clock face. The clock has a light-colored, possibly stone or ceramic, dial with dark Roman numerals. The hands are dark and thin. The lighting is dramatic, with strong shadows and highlights, creating a sense of depth and texture. The text "|| tempo" is overlaid in a blue, sans-serif font at the top center.

|| tempo

barriera temporale

A close-up, artistic photograph of a clock face. The clock has a light-colored, textured dial with dark Roman numerals. The hands are dark and slender. The lighting is dramatic, with strong shadows and highlights, creating a sense of depth and texture. The text is overlaid on the clock face.

„ tempo

il tempo che si dilata  
il tempo dell'attesa  
il tempo della solitudine



Il luogo

barriera fisica



Il luogo

---

dove si sperimenta il limite

# le persone

barriera relazionale

# le persone

narrazione  
percorso di vita  
percorso di malattia

...**ma**  
c'è un

---

**prezzo** da pagare

# il dolore



# Patient's perceptions of intensive care (Lancet 1999)

- Sete
- Paura / ansia
- Privazione del sonno
- Senso di solitudine / isolamento
- Dolore
- Caldo
- Mancanza di informazioni
- Freddo
- Fame

## Patients' perceptions of intensive care

*Bruno Simini*

**Pain, noise, sleep deprivation, thirst, hunger, heat, cold, fear, anxiety, isolation, physical restraint, want of information, and absence of daylight were common memories of patients surviving intensive care.**

How comfortable are patients receiving intensive care? To answer this question, all patients in the intensive care unit in Lucca, Italy from October, 1998, to March 1999 were assessed. Of 162 patients, 35 (22%) died. 51 patients were not interviewed (18 because of psychiatric or neurological disease, 13 were transferred to other hospitals, four went straight home, four died on the wards they were transferred to, and 12 left before interview).

Within 3 days of discharge from the intensive-care unit, 76 patients were interviewed by an intensive-care specialist who had not seen them before. Medical and nursing staff on the intensive-care unit were unaware that patients would be interviewed. There were 50 men and 26 women, mean age 62 years (range 17–92 years). They stayed an average of 4.4 days (range 1–19). Admission diagnosis was postoperative care for 37 (49%), trauma for 18 (24%), acute exacerbation of chronic respiratory failure for 10 (13%), and other medical conditions for 11 (14%) patients. Patients not interviewed did not differ from those who were interviewed in age, sex, length of stay, or diagnosis.

Pain was reported by 33 (43%) patients; of these patients, 31 (94%) said that analgesics requested did not yield the expected pain relief, 46 (61%) reported sleep deprivation, 48 (63%) recalled being thirsty, 10 (13%) had been hungry, and 28 (37%) and 21 (28%) had been uncomfortably hot and cold, respectively. 47 (62%) patients had been afraid or anxious, 35 (46%) had felt lonely or isolated, and 25 (33%) lacked information about their condition and procedures.

Patients were asked to recall their worst memories. 21 (28%) patients had none, 55 (72%) patients reported the following (some reported more than one): thirst (nine), feeling lonely or abandoned (nine), unceasing noises (seven), tracheal and gastric tubes (seven), pain (six), being tied to the bed (six), seeing or hearing others suffer and die (six), insomnia (four), absence of windows and daylight

# Patient's perceptions of intensive care (Lancet 1999)

- Sete (63%)
- Paura / ansia (62%)
- Privazione del sonno (61%)
- Senso di solitudine / isolamento (46%)
- Dolore (43%)
- Caldo (37%)
- Mancanza di informazioni (33%)
- Freddo (21%)
- Fame (13%)

## Patients' perceptions of intensive care

*Bruno Simini*

**Pain, noise, sleep deprivation, thirst, hunger, heat, cold, fear, anxiety, isolation, physical restraint, want of information, and absence of daylight were common memories of patients surviving intensive care.**

How comfortable are patients receiving intensive care? To answer this question, all patients in the intensive care unit in Lucca, Italy from October, 1998, to March 1999 were assessed. Of 162 patients, 35 (22%) died. 51 patients were not interviewed (18 because of psychiatric or neurological disease, 13 were transferred to other hospitals, four went straight home, four died on the wards they were transferred to, and 12 left before interview).

Within 3 days of discharge from the intensive-care unit, 76 patients were interviewed by an intensive-care specialist who had not seen them before. Medical and nursing staff on the intensive-care unit were unaware that patients would be interviewed. There were 50 men and 26 women, mean age 62 years (range 17–92 years). They stayed an average of 4.4 days (range 1–19). Admission diagnosis was postoperative care for 37 (49%), trauma for 18 (24%), acute exacerbation of chronic respiratory failure for 10 (13%), and other medical conditions for 11 (14%) patients. Patients not interviewed did not differ from those who were interviewed in age, sex, length of stay, or diagnosis.

Pain was reported by 33 (43%) patients; of these patients, 31 (94%) said that analgesics requested did not yield the expected pain relief, 46 (61%) reported sleep deprivation, 48 (63%) recalled being thirsty, 10 (13%) had been hungry, and 28 (37%) and 21 (28%) had been uncomfortably hot and cold, respectively. 47 (62%) patients had been afraid or anxious, 35 (46%) had felt lonely or isolated, and 25 (33%) lacked information about their condition and procedures.

Patients were asked to recall their worst memories. 21 (28%) patients had none, 55 (72%) patients reported the following (some reported more than one): thirst (nine), feeling lonely or abandoned (nine), unceasing noises (seven), tracheal and gastric tubes (seven), pain (six), being tied to the bed (six), seeing or hearing others suffer and die (six), insomnia (four), absence of windows and daylight

## Needs of relatives of critically ill patients: a descriptive study (Heart Lung. 1979)

- Bisogno di informazione
- Vicinanza al proprio caro
- Ricevere rassicurazioni
- Ricevere supporto
- Comfort

## Needs of relatives of critically ill patients: a descriptive study (Heart Lung. 1979)

- Bisogno di informazione
- Vicinanza al proprio caro
- Ricevere rassicurazioni
- Ricevere supporto
- Comfort

# % terapie intensive aperte

# 2018

Sweden	70	Intensive Crit Care Nurs 2004
UK	19-22	Intensive Crit Care Nurs 1993 Intensive Crit Care Nurs 1996 Anaesthesia 2010
USA	20	Critical Care 2013
Netherlands	14	Intensive Crit Care Nurse
France	7-8	J Clin Nurse 2012 Ann Intensive Care 2013
Belgium	0-3	Intensive Care Med 2007 Heart Lung 2010
Switzerland	3	Minerva Anestesiol 2014
Italy	0.4-2	Intensive Care Med 2008 Intensive Care Med 2011

# % terapie intensive aperte

# 2018

Sweden	70	Intensive Crit Care Nurs 2004
UK	19-22	Intensive Crit Care Nurs 1993 Intensive Crit Care Nurs 1996 Anaesthesia 2010
USA	20	Critical Care 2013
Netherlands	14	Intensive Crit Care Nurse
France	7-8	J Clin Nurse 2012 Ann Intensive Care 2013
Belgium	0-3	Intensive Care Med 2007 Heart Lung 2010
Switzerland	3	Minerva Anestesiol 2014
Italy	0.4-2	Intensive Care Med 2008 Intensive Care Med 2011

# Stress-Inducing Factors in ICUs: What Liver Transplant Recipients Experience and What Caregivers Perceive

*Gianni Biancofiore,<sup>1</sup> Maria L. Bindi,<sup>1</sup> Anna Maria Romanelli,<sup>2</sup> Lucio Urbani,<sup>3</sup> Franco Mosca,<sup>4</sup> and Franco Filipponi<sup>3</sup>*

Stress-inducing factors in ICU (40 items)	Pz dopo trapianto di fegato	Pz dopo chirurgia addominale maggiore	Infermieri	Medici
Impossibilità a dormire	1	2	6	3
Sentire dolore	2	3	2	1
Tubo endo-tracheale / Sonde	3	4	1	2
Vedere la famiglia / amici solo per pochi minuti al giorno	5	1	7	11

# Stress-Inducing Factors in ICUs: What Liver Transplant Recipients Experience and What Caregivers Perceive

*Gianni Biancofiore,<sup>1</sup> Maria L. Bindi,<sup>1</sup> Anna Maria Romanelli,<sup>2</sup> Lucio Urbani,<sup>3</sup> Franco Mosca,<sup>4</sup> and Franco Filipponi<sup>3</sup>*

Stress-inducing factors in ICU (40 items)	Pz dopo trapianto di fegato	Pz dopo chirurgia addominale maggiore	Infermieri	Medici
Impossibilità a dormire	1	2	6	3
Sentire dolore	2	3	2	1
Tubo endo-tracheale / Sonde	3	4	1	2
Vedere la famiglia / amici solo per pochi minuti al giorno	 5	 1	 7	 11

Esperienza complessa e faticosa

I familiari dei  
pazienti ricoverati in ICU  
(J Crit Care 2005) hanno ...

... un'elevata incidenza di

- Ansia (73,4%)
- Depressione (35,3%)



## Symptoms of anxiety and depression in family members of intensive care unit patients before discharge or death. A prospective multicenter study<sup>☆</sup>

Frédéric Pochard MD, PhD, Michaël Darmon MD, Thomas Fassier MD, Pierre-Edouard Bollaert MD, PhD, Christine Cheval MD, Madeleine Coloigner MD, Asri Merouani MD, Serge Moulront MD, Etienne Pigne MD, Juliette Pingat MD, Jean-Ralph Zahar MD, Benoît Schlemmer MD, Élie Azoulay MD, PhD\*,  
The French FAMIREA Study Group

*Intensive Care Unit of the Saint Louis Teaching Hospital and University of Paris 7, Assistance Publique-Hôpitaux de Paris, Paris, France 75010*

Received 2 August 2004; revised 9 November 2004; accepted 24 November 2004

### Keywords:

Families;  
Epidemiology;  
Stress;  
Bereavement;  
Ethics

### Abstract

**Study Objectives:** More than two thirds of family members visiting intensive care unit (ICU) patients have symptoms of anxiety or depression during the first days of hospitalization. Identifying determinants of these symptoms would help caregivers support families at patient discharge or when death is imminent.

**Design and Setting:** Prospective multicenter study including 78 ICUs (1184 beds) in France.  
**Participants:** Family members completed the Hospital Anxiety and Depression Scale on the day of patient discharge or death to allow evaluation of the prevalence and potential factors associated with symptoms of anxiety and depression.

**Results:** Three hundred fifty-seven patients were included in the study, and 544 family members completed the Hospital Anxiety and Depression Scale. Symptoms of anxiety and depression were found in 73.4% and 35.3% of family members, respectively; 75.5% of family members and 82.7% of spouses had symptoms of anxiety or depression ( $P = .007$ ). Symptoms of depression were more prevalent in family members of nonsurvivors (48.2%) than of survivors (32.7%) ( $P = .008$ ). The multivariate model identified 3 groups of factors associated with symptoms: (1) patient-related: severity as assessed by the Simplified Acute Physiology Score II (odds ratio [OR] 1.017 per point) and patient age (OR 0.984 per year) predicted anxiety, and Simplified Acute Physiology Score II (OR, 1.015 per point), patient death (OR 2.092), and patient age (OR 0.981) predicted depression; (2) family-related: the spouse predicted anxiety (OR 2.085); and (3) ICU-related: a room with more than 1 bed (OR 1.539) predicted depression.

# PTSD

---

## Post Traumatic Stress Disorder

# Family presence during CPR (NEJM 2013)

- RCT
- 570 familiari
- Pre-ospedaliero

## End-point primario

- % PTSD a 90 giorni

### ORIGINAL ARTICLE

## Family Presence during Cardiopulmonary Resuscitation

Patricia Jabre, M.D., Ph.D., Vanessa Belpomme, M.D., Elie Azoulay, M.D., Ph.D., Line Jacob, M.D., Lionel Bertrand, M.D., Frederic Lapostolle, M.D., Ph.D., Karim Tazarourte, M.D., Ph.D., Guillem Bouilleau, M.D., Virginie Pinaud, M.D., Claire Broche, M.D., Domitille Normand, M.S., Thierry Baubet, M.D., Ph.D., Agnes Ricard-Hibon, M.D., Ph.D., Jacques Istria, M.D., Alexandra Beltramini, M.D., Armelle Alheritiere, M.D., Nathalie Assez, M.D., Lionel Nace, M.D., Benoit Vivien, M.D., Ph.D., Laurent Turi, M.D., Stephane Launay, M.D., Michel Desmaizieres, M.D., Stephen W. Borron, M.D., Eric Vicaut, M.D., Ph.D., and Frederic Adnet, M.D., Ph.D.

### ABSTRACT

#### BACKGROUND

The effect of family presence during cardiopulmonary resuscitation (CPR) on the family members themselves and the medical team remains controversial.

#### METHODS

We enrolled 570 relatives of patients who were in cardiac arrest and were given CPR by 15 prehospital emergency medical service units. The units were randomly assigned either to systematically offer the family member the opportunity to observe CPR (intervention group) or to follow standard practice regarding family presence (control group). The primary end point was the proportion of relatives with post-traumatic stress disorder (PTSD)-related symptoms on day 90. Secondary end points included the presence of anxiety and depression symptoms and the effect of family presence on medical efforts at resuscitation, the well-being of the health care team, and the occurrence of medicolegal claims.

# Family presence during CPR (NEJM 2013)

**Table 3. Psychological Assessment of Family Members Enrolled in the Study at 90 Days (Observed-Cases Population).\***

Variable	Intervention Group (N=233)	Control Group (N=242)	P Value†	Family Member Present (N=289)	Family Member Absent (N=186)	P Value‡
IES score — median (interquartile range)‡	22 (12–33)	24 (13–35)	0.26	21 (11–32)	26 (15–36)	0.007
Presence of PTSD-related symptoms — no. (%)§	64 (27)	90 (37)	0.01	78 (27)	76 (41)	0.01
HADS score — median (interquartile range)¶	10 (6–16)	11 (6–19)	0.44	9 (5–16)	12 (7–19)	0.02
Symptoms of anxiety — no./total no. (%)	34/230 (15)	55/239 (23)	<0.001	46/287 (16)	43/182 (24)	<0.001
Symptoms of depression — no./total no. (%)	39/230 (17)	50/239 (21)	0.13	42/287 (15)	47/182 (26)	0.009
Saw a psychologist after resuscitation of the patient — no./total no. (%)	20/232 (9)	18/242 (7)	0.83	25/289 (9)	13/185 (7)	0.23
Received newly prescribed psychotropic drugs after resuscitation of the patient — no./total no. (%)	64/230 (28)	77/238 (32)	0.22	72/287 (25)	69/181 (38)	<0.001
Made a suicide attempt after resuscitation of the patient — no./total no. (%)	2/227 (1)	3/238 (1)	—	5/285 (2)	0/180	—

# Family presence during CPR (NEJM 2013)

PTSD



**Table 3. Psychological Assessment of Family Members Enrolled in the Study at 90 Days (Observed-Cases Population).\***

Variable	Intervention Group (N=233)	Control Group (N=242)	P Value†	Family Member Present (N=289)	Family Member Absent (N=186)	P Value†
IES score — median (interquartile range)‡	22 (12–33)	24 (13–35)	0.26	21 (11–32)	26 (15–36)	0.007
Presence of PTSD-related symptoms — no. (%)§	64 (27)	90 (37)	0.01	78 (27)	76 (41)	0.01
HADS score — median (interquartile range)¶	10 (6–16)	11 (6–19)	0.44	9 (5–16)	12 (7–19)	0.02
Symptoms of anxiety — no./total no. (%)	34/230 (15)	55/239 (23)	<0.001	46/287 (16)	43/182 (24)	<0.001
Symptoms of depression — no./total no. (%)	39/230 (17)	50/239 (21)	0.13	42/287 (15)	47/182 (26)	0.009
Saw a psychologist after resuscitation of the patient — no./total no. (%)	20/232 (9)	18/242 (7)	0.83	25/289 (9)	13/185 (7)	0.23
Received newly prescribed psychotropic drugs after resuscitation of the patient — no./total no. (%)	64/230 (28)	77/238 (32)	0.22	72/287 (25)	69/181 (38)	<0.001
Made a suicide attempt after resuscitation of the patient — no./total no. (%)	2/227 (1)	3/238 (1)	—	5/285 (2)	0/180	—

# Il nostro percorso

---



# Il nostro percorso





**Ospedale Regionale di Mendrisio Beata Vergine**

## La terapia intensiva aperta

Aprire la terapia intensiva significa abolire le barriere temporali, fisiche e relazionali non strettamente necessarie alla cura del paziente.<sup>(1)</sup>



### Orari di visita nelle terapie intensive svizzere

(National Survey: Swiss ICU Visiting Policies)

Indagine condotta tramite questionario online tra maggio e settembre 2012, svoltasi su 75 terapie intensive svizzere per adulti riconosciute dalle SSM (Società Svizzera di Medicina Intensiva).

- Distribuzione dei questionari per area linguistica

Area linguistica	n	% questionari
Italiana (Romanda)	48	64.0%
Francese (Svizzera)	18	24.0%
Germano (Ticino)	9	12.0%
Altre	0	0.0%

- Caratteristiche delle terapie intensive svizzere

Dimensione delle terapie intensive (n° posti letto)

Tipologia delle camere

- Orari di visita

Attualmente sono 2 le terapie intensive che si sono dichiarate totalmente aperte (apertura 24 ore). Mediamente le terapie intensive svizzere hanno una lunghezza dell'orario di visita di 8 ore.

Distribuzione per area linguistica

Area linguistica	Apertura 24h	%
Italiana (Romanda)	1	2.1%
Francese (Svizzera)	1	5.6%
Germano (Ticino)	7	77.8%

Orizzontale all'apertura (0-10 ore) versus politica totalmente restrittiva (0-6 ore)

Area linguistica	0-6 ore	0-10 ore
Italiana (Romanda)	45.8%	54.2%
Francese (Svizzera)	7.8%	92.2%
Germano (Ticino)	20.0%	80.0%

### La terapia Intensiva aperta all'Ospedale Regionale di Mendrisio

Caratteristiche del reparto

**Apertura 24 ore su 24**  
Sono state completamente abolite le barriere temporali, attraverso la liberalizzazione dell'orario di visita.

**Accesso libero, nel rispetto dei desideri del paziente, alle persone che egli ritiene significative.**

Studio Pre-Post BAVIG<sup>(2)</sup>  
(Beliefs and Attitude toward Visiting in ICU Questionnaire)

Implementazione del modello aperto nel reparto di Medicina Intensiva di Mendrisio: le convinzioni del personale curante (infermieri ed assistenti di cura) prima e dopo l'apertura indagate attraverso il questionario BAVIG.

Confronto sulle convinzioni delle staffe su pazienti, le famiglie e l'organizzazione della cura

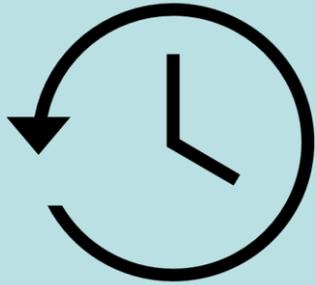
Dimensione	Pre-Post	Post-Post
Identificazione familiare	48	48
Identificazione infermiere	48	48
Segno di conoscenza delle strategie di lavoro	48	48
Identificazione personale	48	48
Identificazione con il sistema di lavoro	48	48
Identificazione con il sistema di lavoro	48	48
Identificazione con il sistema di lavoro	48	48
Identificazione con il sistema di lavoro	48	48
Identificazione con il sistema di lavoro	48	48
Identificazione con il sistema di lavoro	48	48

<sup>(1)</sup> Bannai A (2009) Aprire la terapia intensiva? J Intensive Care Med 24: 10-18  
<sup>(2)</sup> Bell G, Pappalardo P, Moore P (2012) Beliefs and Attitudes of Intensive Care Nurses toward Family and Open-Visiting Policy. Intensive Care Med 37(5): 590-595

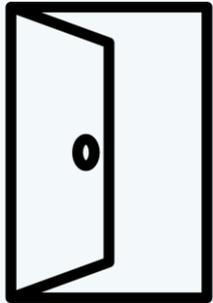
Reparto di Medicina Intensiva  
 Ospedale Regionale di Mendrisio Beata Vergine  
 Via Tullio 23 - CH-6850 Mendrisio  
 Telefono +41 (0)91 81 13485  
 Fax +41 (0)91 81 13013



# Il nostro percorso



24h





**Depedate Regionale di Mendrisio Beata Vergine**

## La terapia intensiva aperta

Aprire la terapia intensiva significa abolire le barriere temporali, fisiche e relazionali non strettamente necessarie alla cura del paziente.<sup>(1)</sup>



### Orari di visita nelle terapie intensive svizzere

(National Survey: Swiss ICU Visiting Policies)

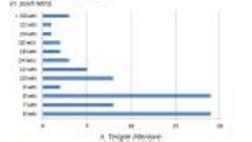
Indagine condotta tramite questionario online tra maggio e settembre 2012, svoltasi su 75 terapie intensive svizzere per adulti riconosciute dalle SSM (Società Svizzera di Medicina Intensiva).

- Distribuzione dei questionari per area linguistica

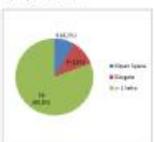
Area linguistica	n	%
Germana (italiana)	48	64.0%
Francese (francese)	18	24.0%
Germano-tedesca	9	12.0%

- Caratteristiche delle terapie intensive svizzere

Dimensione delle terapie intensive (n° posti letto)



Tipologia delle camere



- Orari di visita

Attualmente sono 2 le terapie intensive che si sono dichiarate totalmente aperte (apertura 24 ore). Mediamente le terapie intensive svizzere hanno una lunghezza dell'orario di visita di 8 ore.

Distribuzione per area linguistica

Area linguistica	Apertura 24h	%
Germana (italiana)	1	2.1%
Francese (francese)	1	5.6%
Germano-tedesca	0	0.0%

Orizzontamento all'apertura (0-10 ore) versus politica totalmente restrittiva (0-6 ore)

Area linguistica	0-6 ore	0-10 ore
Germana (italiana)	45.8%	54.2%
Francese (francese)	7.7%	92.3%
Germano-tedesca	55.6%	44.4%

### La terapia intensiva aperta all'Ospedale Regionale di Mendrisio

Departamento di Medicina Intensiva EOC  
Dipartimento Regionale di Mendrisio



#### Caratteristiche del reparto

**Apertura 24 ore su 24**  
Sono state completamente abolite le barriere temporali, attraverso la liberalizzazione dell'orario di visita.

**Accesso libero, nel rispetto dei desideri del paziente, alle persone che egli ritiene significative.**

#### Studio Pre-Post BAVIG<sup>(2)</sup>

(Beliefs and Attitude toward Visiting in ICU Questionnaire)

Implementazione del modello aperto nel reparto di Medicina Intensiva di Mendrisio: le convinzioni del personale curante (infermieri ed assistenti di cura) prima e dopo l'apertura indagate attraverso il questionario BAVIG.

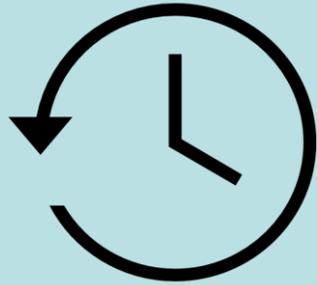
Convinzioni sulle conseguenze delle visite ai pazienti e famiglia e l'organizzazione della cura



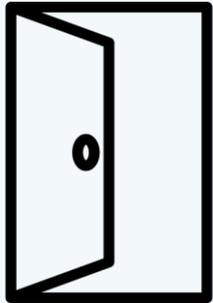
Reporto di Medicina Intensiva  
Ospedale Regionale di Mendrisio Beata Vergine  
Via Tullio 23 - CH-6850 Mendrisio  
Telefono +41 (0)91 81 13485  
Fax +41 (0)91 81 13613



# Il nostro percorso



24h





**Depedate Regionale di Mendrisio Beata Vergine**

## La terapia intensiva aperta

Aprire la terapia intensiva significa abolire le barriere temporali, fisiche e relazionali non strettamente necessarie alla cura del paziente.<sup>(1)</sup>

**12**

**Orari di visita nelle terapie intensive svizzere**  
(National Survey: Swiss ICU Visiting Policies)

Indagine condotta tramite questionario online tra maggio e settembre 2012, svoltasi su 75 terapie intensive svizzere per adulti riconosciute dalle SSM (Società Svizzera di Medicina Intensiva).

- Distribuzione dei questionari per area linguistica

Area linguistica	n	% risposta
Germania Svizzera	48	64.0%
Italiana Svizzera	18	24.0%
Francese Svizzera	9	12.0%
Altre lingue	0	0.0%

- Caratteristiche delle terapie intensive svizzere

Dimensione delle terapie intensive (n° 2011 letto)

Tipologia delle camere

- Orari di visita

Attualmente sono 2 le terapie intensive che si sono dichiarate totalmente aperte (apertura 24 ore).  
Mediamente le terapie intensive svizzere hanno una lunghezza dell'orario di visita di 8 ore.

Distribuzione per area linguistica

Area linguistica	Apertura 24h	%
Germania Svizzera	1	2.1%
Italiana Svizzera	1	5.6%
Francese Svizzera	0	0.0%
Altre lingue	0	0.0%

Orizzontale all'apertura (0-10 ore) versus politica totalmente restrittiva (0-6 ore)

Area linguistica	0-6 ore	0-10 ore
Germania Svizzera	45.8%	54.2%
Italiana Svizzera	7.1%	92.9%
Francese Svizzera	0.0%	100.0%

**La terapia Intensiva aperta all'Ospedale Regionale di Mendrisio**

Caratteristiche del reparto

**Apertura 24 ore su 24**  
Sono state completamente abolite le barriere temporali, attraverso la liberalizzazione dell'orario di visita.

**Accesso libero, nel rispetto dei desideri del paziente, alle persone che egli ritiene significative.**

**Studio Pre-Post BAVIG<sup>TM</sup>**  
(Beliefs and Attitude toward Visiting in ICU Questionnaire)

Implementazione del modello aperto nel reparto di Medicina Intensiva di Mendrisio: le convinzioni del personale curante (infermieri ed assistenti di cura) prima e dopo l'apertura indagata attraverso il questionario BAVIG.

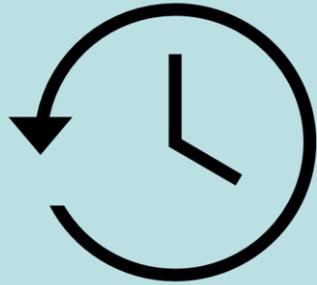
Convinzioni sulle conseguenze delle visite ai pazienti, in funzione a l'implementazione della cura

Conseguenza	Pre	Post
Beneficiario della visita	90	95
Beneficiario della visita	85	90
Beneficiario della visita	80	85
Beneficiario della visita	75	80
Beneficiario della visita	70	75
Beneficiario della visita	65	70
Beneficiario della visita	60	65
Beneficiario della visita	55	60
Beneficiario della visita	50	55
Beneficiario della visita	45	50
Beneficiario della visita	40	45
Beneficiario della visita	35	40
Beneficiario della visita	30	35
Beneficiario della visita	25	30
Beneficiario della visita	20	25
Beneficiario della visita	15	20
Beneficiario della visita	10	15
Beneficiario della visita	5	10
Beneficiario della visita	0	5

Report di Medicina Intensiva  
Ospedale Regionale di Mendrisio Beata Vergine  
Via Tullio 23 - CH-6850 Mendrisio  
Telefono +41 (0)91 81 13485  
Fax +41 (0)91 81 13013

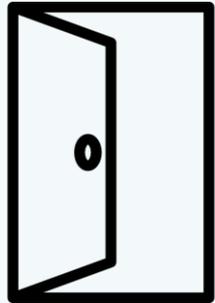


# Il nostro percorso



24h

**Barriera temporale**



**Barriera fisica**



**Barriera relazionale**



**EOC**  
Epidemiologia e Organizzazione Clinica

**Dipartimento di Medicina Intensiva EOC**  
Dipartimento di Medicina Intensiva EOC  
Dipartimento di Medicina Intensiva EOC

---

### La terapia intensiva aperta

---

**Aprire la terapia intensiva significa abolire le barriere temporali, fisiche e relazionali non strettamente necessarie alla cura del paziente.<sup>(1)</sup>**



**Orari di visita nelle terapie intensive svizzere**  
(National Survey: Swiss ICU Visiting Policies)

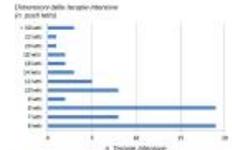
Indagine condotta tramite questionario online tra maggio e settembre 2012, svoltasi su 75 terapie intensive svizzere per adulti riconosciute dalle SSM (Società Svizzera di Medicina Intensiva).

- Distribuzione dei questionari per area linguistica

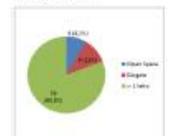
Area linguistica	n	% questionari
Germania Svizzera	48	64.0%
Francese Svizzera	18	24.0%
Italiano Svizzera	9	12.0%

- Caratteristiche delle terapie intensive svizzere

Dimensioni delle terapie intensive (n = 75, 2011 letto)



Tipologia delle camere



- Orari di visita

Attualmente sono 2 le terapie intensive che si sono dichiarate totalmente aperte (apertura 24 ore).  
Mediamente le terapie intensive svizzere hanno una lunghezza dell'orario di visita di 8 ore.

Distribuzione per area linguistica

Area linguistica	Apertura 24 ore	%
Germania Svizzera	1	2.1%
Francese Svizzera	1	5.6%
Italiano Svizzera	0	0.0%

Orientamento all'apertura (0-10 ore) versus politiche totalmente restrittive (0-6 ore)

Area linguistica	0-6 ore	0-10 ore
Germania Svizzera	48.0%	52.0%
Francese Svizzera	77.8%	22.2%
Italiano Svizzera	55.6%	44.4%

**La terapia intensiva aperta all'Ospedale Regionale di Mendrisio**

Caratteristiche del reparto

**Apertura 24 ore su 24**  
Sono state completamente abolite le barriere temporali, attraverso la liberalizzazione dell'orario di visita.

**Accesso libero, nel rispetto dei desideri del paziente, alle persone che egli ritiene significative.**

**Studio Pre-Post BAVIG<sup>TM</sup>**  
(Beliefs and Attitude toward Visiting in ICU Questionnaire)

Implementazione del modello aperto nel reparto di Medicina Intensiva di Mendrisio: le convinzioni del personale curante (infermieri ed assistenti di cura) prima e dopo l'apertura indagata attraverso il questionario BAVIG.

Convinzioni sulle conseguenze delle visite ai pazienti, in funzione della organizzazione delle cure

Organizzazione	Prima	Dopo
Restrizione visite	100%	0%
Apertura 24 ore	0%	100%

---

Report di Medicina Intensiva  
Ospedale Regionale di Mendrisio Beata Vergine  
Via Tullio 23 - CH-6850 Mendrisio  
Telefono +41 (0)91 81 13485  
Fax +41 (0)91 81 13013



il tempo della **CONOSCENZA**  
di sé

# Il nostro percorso

## BAVIQ

### Beliefs and Attitudes towards Visitation in ICU Questionnaire

Moons P, et al. *Intensive Care Med* 2007; 33:1060-1065

PRE

Aprile 2012

#### BAVIQ

##### Beliefs and Attitudes toward Visitation in ICU Questionnaire

Convinzioni e atteggiamenti verso le visite in Terapia Intensiva  
Progetto Open.ICU – Medicina Intensiva, Ospedale Regionale di Mendrisio

- Professione  Assistente di cura  
 Infermiere  
 Infermiere specializzato in cure intensive
- Sesso  M  
 F
- Età  Anni:
- Esperienza professionale in terapia intensiva  Anni:

#### 1. CONVINZIONI SULLE CONSEGUENZE DELLE VISITE SUI PAZIENTI, LA FAMIGLIA E L'ORGANIZZAZIONE DELLE CURE

	Forte disaccordo	Disaccordo	Indifferente	D'accordo	Fortemente d'accordo
1. Penso che le visite abbiano un effetto benefico sui pazienti.	<input type="checkbox"/>				
2. Penso che le visite impediscano il riposo dei pazienti.	<input type="checkbox"/>				
3. Penso che le visite causino stress fisiologico al paziente.	<input type="checkbox"/>				
4. Penso che le visite causino alterazioni emodinamiche nei pazienti.	<input type="checkbox"/>				

# Il nostro percorso

## BAVIQ

### Beliefs and Attitudes towards Visitation in ICU Questionnaire

Moons P, et al. *Intensive Care Med* 2007; 33:1060-1065

PRE		POST																																																											
Aprile 2012	<p align="center"><b>BAVIQ</b></p> <p align="center">Beliefs and Attitudes toward Visitation in ICU Questionnaire</p> <p align="center">Convinzioni e atteggiamenti verso le visite in Terapia Intensiva Progetto Open.ICU – Medicina Intensiva, Ospedale Regionale di Mendrisio</p> <hr/> <ul style="list-style-type: none"> <li>• Professione <input type="checkbox"/> Assistente di cura <input type="checkbox"/> Infermiere <input type="checkbox"/> Infermiere specializzato in cure intensive</li> </ul> <hr/> <ul style="list-style-type: none"> <li>• Sesso <input type="checkbox"/> M <input type="checkbox"/> F</li> </ul> <hr/> <ul style="list-style-type: none"> <li>• Età <input type="checkbox"/> Anni:</li> </ul> <hr/> <ul style="list-style-type: none"> <li>• Esperienza professionale in terapia intensiva <input type="checkbox"/> Anni:</li> </ul>	Gennaio 2013	<p align="center"><b>BAVIQ</b></p> <p align="center">Beliefs and Attitudes toward Visitation in ICU Questionnaire</p> <p align="center">Convinzioni e atteggiamenti verso le visite in Terapia Intensiva Progetto Open.ICU – Medicina Intensiva, Ospedale Regionale di Mendrisio</p> <hr/> <ul style="list-style-type: none"> <li>• Professione <input type="checkbox"/> Assistente di cura <input type="checkbox"/> Infermiere <input type="checkbox"/> Infermiere specializzato in cure intensive</li> </ul> <hr/> <ul style="list-style-type: none"> <li>• Sesso <input type="checkbox"/> M <input type="checkbox"/> F</li> </ul> <hr/> <ul style="list-style-type: none"> <li>• Età <input type="checkbox"/> Anni:</li> </ul> <hr/> <ul style="list-style-type: none"> <li>• Esperienza professionale in terapia intensiva <input type="checkbox"/> Anni:</li> </ul>																																																										
	<p><b>1.</b> CONVINZIONI SULLE CONSEGUENZE DELLE VISITE SUI PAZIENTI, LA FAMIGLIA E L'ORGANIZZAZIONE DELLE CURE</p> <table border="1"> <thead> <tr> <th></th> <th>Fortemente disaccordo</th> <th>Disaccordo</th> <th>Indifferente</th> <th>D'accordo</th> <th>Fortemente d'accordo</th> </tr> </thead> <tbody> <tr> <td>1 Penso che le visite abbiano un effetto benefico sui pazienti.</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>2 Penso che le visite impediscano il riposo dei pazienti.</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>3 Penso che le visite causino stress fisiologico al paziente.</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>4 Penso che le visite causino alterazioni emodinamiche nei pazienti.</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>			Fortemente disaccordo	Disaccordo	Indifferente	D'accordo	Fortemente d'accordo	1 Penso che le visite abbiano un effetto benefico sui pazienti.	<input type="checkbox"/>	2 Penso che le visite impediscano il riposo dei pazienti.	<input type="checkbox"/>	3 Penso che le visite causino stress fisiologico al paziente.	<input type="checkbox"/>	4 Penso che le visite causino alterazioni emodinamiche nei pazienti.	<input type="checkbox"/>	<p><b>1.</b> CONVINZIONI SULLE CONSEGUENZE DELLE VISITE SUI PAZIENTI, LA FAMIGLIA E L'ORGANIZZAZIONE DELLE CURE</p> <table border="1"> <thead> <tr> <th></th> <th>Fortemente disaccordo</th> <th>Disaccordo</th> <th>Indifferente</th> <th>D'accordo</th> <th>Fortemente d'accordo</th> </tr> </thead> <tbody> <tr> <td>1 Penso che le visite abbiano un effetto benefico sui pazienti.</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>2 Penso che le visite impediscano il riposo dei pazienti.</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>3 Penso che le visite causino stress fisiologico al paziente.</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>4 Penso che le visite causino alterazioni emodinamiche nei pazienti.</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>		Fortemente disaccordo	Disaccordo	Indifferente	D'accordo	Fortemente d'accordo	1 Penso che le visite abbiano un effetto benefico sui pazienti.	<input type="checkbox"/>	2 Penso che le visite impediscano il riposo dei pazienti.	<input type="checkbox"/>	3 Penso che le visite causino stress fisiologico al paziente.	<input type="checkbox"/>	4 Penso che le visite causino alterazioni emodinamiche nei pazienti.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																												
	Fortemente disaccordo	Disaccordo	Indifferente	D'accordo	Fortemente d'accordo																																																								
1 Penso che le visite abbiano un effetto benefico sui pazienti.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																								
2 Penso che le visite impediscano il riposo dei pazienti.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																								
3 Penso che le visite causino stress fisiologico al paziente.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																								
4 Penso che le visite causino alterazioni emodinamiche nei pazienti.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																								
	Fortemente disaccordo	Disaccordo	Indifferente	D'accordo	Fortemente d'accordo																																																								
1 Penso che le visite abbiano un effetto benefico sui pazienti.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																								
2 Penso che le visite impediscano il riposo dei pazienti.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																								
3 Penso che le visite causino stress fisiologico al paziente.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																								
4 Penso che le visite causino alterazioni emodinamiche nei pazienti.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																								

## Convinzioni sulle conseguenze delle visite

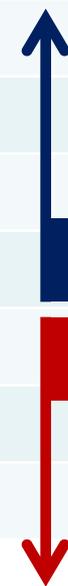
	Aprile 2012	Gennaio 2013	Δ (%)
	Pre (%)	Post (%)	
Effetto benefico per il paziente	100	96	-4
Riduzione dell'ansia dei familiari	96	100	+4
Migliora la comprensione delle informazioni vs il paziente	88	100	+12
Aiuto al processo di guarigione	77	96	+19
Gli infermieri passano più tempo con le famiglie	69	92	+23
Situazione di maggior comfort per il paziente	69	87	+18
Nessuna violazione della privacy	65	83	+18
Sostegno e aiuto per i curanti	69	74	+5
Impediscono il riposo	19	9	-10
Sono causa di stress per il paziente	19	4	-15
Le visite interferiscono con le cure	31	4	-27

## Convinzioni sulle conseguenze delle visite

	Aprile 2012	Gennaio 2013	
	Pre (%)	Post (%)	Δ (%)
Effetto benefico per il paziente	100	96	-4
Riduzione dell'ansia dei familiari	96	100	+4
Migliora la comprensione delle informazioni vs il paziente	88	100	+12
Aiuto al processo di guarigione	77	96	+19
Gli infermieri passano più tempo con le famiglie	69	92	+23
Situazione di maggior comfort per il paziente	69	87	+18
Nessuna violazione della privacy	65	83	+18
Sostegno e aiuto per i curanti	<b>Convinzioni</b>		+5
Impediscono il riposo	19	9	-10
Sono causa di stress per il paziente	19	4	-15
Le visite interferiscono con le cure	31	4	-27

## Convinzioni sulle conseguenze delle visite

	Aprile 2012	Gennaio 2013	
	Pre (%)	Post (%)	Δ (%)
Effetto benefico per il paziente	100	96	-4
Riduzione dell'ansia dei familiari	96	100	+4
Migliora la comprensione delle informazioni vs il paziente	88	100	+12
Aiuto al processo di guarigione	77	96	+19
Gli infermieri passano più tempo con le famiglie	69	92	+23
Situazione di maggior comfort per il paziente	69	87	+18
Nessuna violazione della privacy	65	83	+18
Sostegno e aiuto per i curanti			+5
<b>Impediscono il riposo</b>			-10
<b>Sono causa di stress per il paziente</b>	19	4	-15
<b>Le visite interferiscono con le cure</b>	31	4	-27



**Convinzioni**

**Timori**

prove di (*in*)efficacia

# Punti di vista

J-L Vincent, Université Libre de Bruxelles  
Belgium

EDITORIAL



## Evidence supports the superiority of closed ICUs for patients and families: Yes

Jean-Louis Vincent\*

© 2016 Springer-Verlag Berlin Heidelberg and ESICM

*“Too many cooks...”*

Most intensive care units (ICUs) around the world, with the general exception of the USA, now operate according to a “closed” model, i.e., patients are admitted under the full responsibility of a trained intensivist, as opposed to the “open” format in which patients are admitted under the care of another attending physician and intensivists are just available for consultation [1]. In a worldwide study of 1265 ICUs in 75 countries in 2007, 83 % of the units were closed: North America had the lowest proportion of closed ICUs (63 %) and Western Europe the highest (89 %) [1]. Of 111 ICUs across nine Canadian provinces, 94 (85 %) reported a closed format model of care in 2015 [2]. In Asia, Arabi et al. [3] reported that 216 of 335 (65 %) ICUs surveyed in 2013 were closed format and in the UK, all ICUs analyzed as part of the ICNARC project in 2010/2011 reported that their unit model was closed [4]. Similar to the situation in the UK, in Australia and New Zealand the vast majority of ICUs are run in closed format [5].

There is good evidence that closed ICUs are associated with better outcomes and better quality of care, both in general [6–10] and in subspecialty [11] units. Several studies have reported a positive impact on outcomes when the ICU model was changed from open to closed [6–8]. In one example, a before-after cohort study, Parikh et al. [7] reported that the change from an open to a closed format was associated with shorter ICU stay and improved quality measures, including less ventilator-associated pneumonia and central vein access device infection. ICU costs were also reduced [7]. Kahn et al.

also reported improved quality of care in closed (high-intensity) compared to open (low-intensity) ICUs, as shown by increased use of evidence-based quality indicators including sedation interruption and intensive insulin treatment [9]. In an early meta-analysis of 26 such studies comparing closed and open ICU models, Pronovost et al. [10] reported that a closed model (or high-intensity intensivist staffing) was associated with lower mortality and shorter length of stay than an open format (low-intensity intensivist staffing). More recently, Wilcox et al. similarly reported that high-intensity intensivist staffing was associated with reduced ICU and hospital mortality and shorter stay in a meta-analysis of 52 studies [12].

Clearly, therefore, closed-format ICUs have a beneficial impact on patient outcomes. However, they also have positive effects on other aspects, including staff and family satisfaction. These concepts are difficult to define and quantify, and the published data on this issue are relatively sparse. Nevertheless, good communication with adequate provision of coherent information is known to be a key factor in family satisfaction with intensive care [13]. Having a single physician in charge of patient management (closed format) will ensure that communication about treatments and prognoses is consistent; having several specialists involved in patient management can result in mixed and confusing messages. In an early study by Carson et al. [6], nurses working in closed ICUs were more likely to feel confident in the clinical judgment of the attending physician than those in open ICUs. Paul Olson et al. reported that surgeons working in a unit where an ICU physician was primarily responsible for all patients were significantly less likely to report conflicts with their intensivist colleagues than surgeons working on a unit where the operative surgeon was primarily responsible for his/her patients [14]. Such conflicts are likely to impact negatively on communication with patients and families. Evaluation of prognosis may

\*Correspondence: jlvincen@intensive.org  
Department of Intensive Care, Erasme Hospital, Université Libre de Bruxelles, Route de Lennik 808, 1070 Brussels, Belgium

For contrasting viewpoints, please go to doi:10.1007/s00134-016-4438-9 and doi:10.1007/s00134-016-4510-5.



## Evidence supports the superiority of closed ICUs for patients and families: No

Gary E. Weissman<sup>1,2\*</sup> and Scott D. Halpern<sup>1,2,3,4\*</sup>

© 2016 Springer-Verlag Berlin Heidelberg and ESICM

In “closed” intensive care units (ICUs), primary responsibility for admitted patients is transferred to an intensivist. In “open” units, the attending physician of record is typically a non-intensivist from another service who may have a longitudinal relationship with the patient and who may or may not consult an intensivist for assistance with management. Open staffing models are much more common in North America [1], whereas closed models predominate in Europe [2].

On its face, it seems obvious that a trained intensivist would provide higher quality intensive care than a physician trained in a different area. Yet, perhaps surprisingly, there exists no compelling evidence that this premise is true. As a result, clinicians, policymakers, patients, and families cannot be sure which models to advocate. Most of the available research comes from North America where full implementation of “high intensity” staffing (closed and/or 24-h intensivist coverage) staffing models has proved impractical given workforce limitations. More than a decade ago, the Leapfrog group recommended mandatory intensivist management of all critically ill patients [3], yet recent guidelines from the American College of Critical Care Medicine are more circumspect [4]. What can we make of the available evidence?

Initial evidence in support of closed ICUs was based on the single-center, before–after study performed by Carson and colleagues [5]. The systematic review by Pronovost et al. in 2002 [6] provided even stronger support for closed ICUs. However, this review did not distinguish between closed models and open models with mandatory intensivist consultation. And because outcomes were

compared between ICUs that chose to adopt high-intensity models versus not to do so, differences among ICUs and hospitals beyond the chosen physician staffing model likely contributed to the results.

A more recent systematic review and meta-analysis examining the relationship between intensivist staffing models and mortality included a much larger number of studies [7]. In this review, the observed mortality benefit associated with “high intensity” staffing was concentrated in surgical rather than medical units, and was not consistent across all decades of analysis. The benefit was strongest during the 1980s, disappeared in the 1990s, re-occurred in the 2000s, and then disappeared again beginning in 2010. The lack of temporal consistency undermines the argument that high-intensity staffing models causally contribute to mortality benefits in the modern era.

Indeed, in the one large observational study to surmount the limitations of among-ICU analyses, those patients for whom management by trained intensivists was chosen experienced higher mortality than those who were never treated by an intensivist [8]. Although we strongly suspect that this apparent harm was attributable to unmeasured confounding by indication, the study certainly casts doubt on the notion that evidence supports a benefit for the type of staffing found in closed ICUs.

In the most robust analysis of this question to date, Nagendran et al. [9] asked whether ICUs experience declines in risk-adjusted mortality after transitioning from open to closed staffing models. This study overcomes many of the center-level and patient-level confounders that plagued prior studies by using a longitudinal difference-in-difference approach in which each ICU serves as its own control. Further, because different ICUs adopted the closed model at different time points, the design mitigates temporal biases associated with simpler before–after designs. Thus, it is notable that

# Punti di vista

G.E. Weissman, University of Pennsylvania, Philadelphia

\*Correspondence: gary.weissman@uphs.upenn.edu; shalpern@exchange.upenn.edu

<sup>1</sup> Division of Pulmonary, Allergy, and Critical Care Medicine, Hospital of the University of Pennsylvania, 5002 Gibson Building, 3400 Spruce Street, Philadelphia, PA 19104, USA

Full author information is available at the end of the article



# In fact, a sound scientific basis for restricting visitors in ICUs does not exist

Slota M et al.  
Crit Care Med, 2003

# ... non solo punti di vista

Intensive Care Med (2013) 39:2180-7

“ ... small but significant increase in staff members' burnout levels “

Alberto Giannini  
Guido Miccinesi  
Edi Prandi  
Carlotta Buzzoni  
Claudia Borreani  
The ODIN Study Group

Received: 10 December 2012  
Accepted: 10 August 2013  
Published online: 7 September 2013  
© Springer-Verlag Berlin Heidelberg and ESICM 2013

Presented, in part, at the 32nd International Symposium on Intensive Care and Emergency Medicine (Brussels, Belgium, 20–23 March 2012) and at the 25th Annual Congress of the European Society of Intensive Care Medicine (Lisbon, Portugal, 13–17 October 2012).

Members of ODIN (Open Doors in Intensive care) Study Group are listed in the [Appendix](#).

A. Giannini (✉) · E. Prandi  
Pediatric Intensive Care Unit, Fondazione IRCCS Ca' Granda—Ospedale Maggiore Policlinico, Via della Commenda 9, 20122 Milan, Italy  
e-mail: a.giannini@policlinico.mi.it  
Tel.: +39-2-55032242  
Fax: +39-2-55032817

G. Miccinesi · C. Buzzoni  
Unit of Clinical and Descriptive Epidemiology, Istituto per lo Studio e la Prevenzione Oncologica—ISPO, Via Cosimo il Vecchio, 2, 50139 Florence, Italy

## Partial liberalization of visiting policies and ICU staff: a before-and-after study

C. Borreani  
Unit of Clinical Psychology, Fondazione IRCCS Istituto Nazionale dei Tumori, Via Venezian, 1, 20133 Milan, Italy

**Abstract Purpose:** To investigate possible psychological distress among staff after partial liberalization of visiting policies in intensive care units (ICUs). **Methods:** We surveyed eight Italian ICUs planning to increase daily visiting to at least 8 h. Participants completed the Maslach–Jackson Burnout Inventory and the State-Trait Anxiety Inventory before policy change (T0), after 6 months (T1) and 12 months (T2). At T0 and T2, their opinions on the new policy were solicited. Analyses were adjusted for main known confounders (age, gender, centre, educational and marital status, experience in ICU, baseline level of burnout or anxiety, and mortality rate). **Results:** Baseline response rate was 89 % (230/258); 198 subjects (77 %) responded at T0 and T2, whereas 184 (71 %) participated in all three phases. High burnout levels were identified in 34.5 % of participants at T0 and

42.6 % at T2 (adjusted  $p = 0.001$ ). All three phases showed a predominance of high burnout among nurses (adjusted  $p = 0.002$ ). State and trait anxiety scores remained stable (adjusted  $p = 0.100$  and  $0.288$ , respectively). Most participants viewed the change positively at T0 (doctors 81.7 %; nurses 67.7 %) and T2 (doctors 87.0 %; nurses 62.7 %). At T2, 129 participants made comments (180 positive, 136 negative). Subjects with high burnout were more likely to comment negatively ( $p = 0.011$ ). **Conclusions:** Partial liberalization of ICU visiting policies was associated over the course of a year with a small but significant increase in staff members' burnout levels. Nonetheless, doctors and nurses viewed the policy positively, maintaining this opinion after 1 year. Negative views were strongly correlated with burnout.

**Keywords** Intensive care · Visiting policies · Burnout · Anxiety · Stress · Family

a **chi** tocca la prima mossa ?



$$E=mc^2$$

---



C=2a

---



1a

---

# accountability

2a

---

advocacy

# Infermieri protagonisti del cambiamento

laRegioneficino | venerdì 19 aprile 2013

MENDRISIOTTO

All'Obv nessun limite di orario per le famiglie dei degenti nel reparto

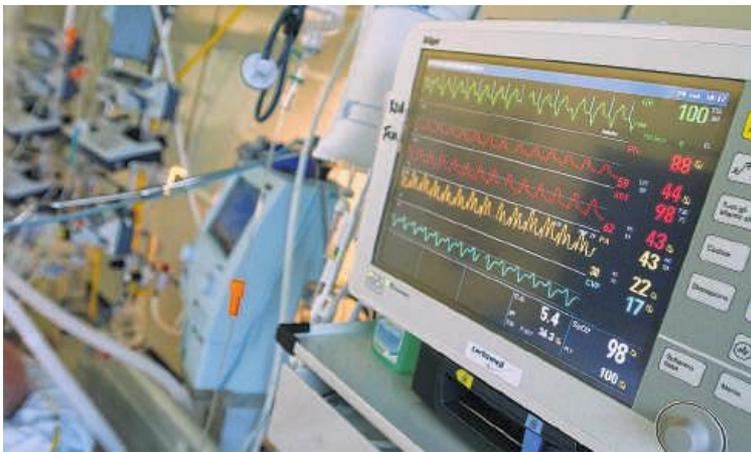
## Terapia intensiva aperta

*Non vi sono più limiti di orario per le famiglie dei pazienti degenti nel reparto di cure intensive all'Obv di Mendrisio. Una possibilità che fino a oggi, in Svizzera, veniva concessa solo a Winterthur*

di Prisca Colombini

I familiari dei pazienti degenti nel reparto di medicina intensiva dell'Ospedale regionale della Beata Vergine di Mendrisio, potranno assistere a loro cari sull'arco delle 24 ore. Una possibilità che, in Svizzera, esisteva solo all'Ospedale cantonale di Winterthur. L'Eoc ha quindi voluto facilitare ulteriormente la vicinanza al paziente, ritenendo che la presenza della propria famiglia sia di fondamentale importanza in un momento così delicato del ricovero in ospedale.

L'estensione dell'orario è stata decisa secondo le convinzioni del personale curante, infermieri e medici, che è stato attivamente coinvolto in questo cambiamento. In particolare, sono state seguite le conclusioni a cui è giunto un lavoro di master presentato alla Supsi da Claudio Speroni, infermiere in cure intensive all'Obv. La letteratura scientifica dimostra che per i pazienti che necessitano di cure continue l'isolamento è motivo di sofferenza. È stato d'altra parte dimostrato che il rischio infettivo non aumenta qualora i visita-



La presenza della famiglia è di fondamentale importanza

ARCHIVO T-PRESS

tori rimangano per periodi prolungati all'interno del reparto. Non vi sono, inoltre, ragioni in favore di una restrizione dell'orario, che rimane legata generalmente a fattori culturali di un servizio la cui nascita è collocata, nella storia della medicina, attorno agli anni Sessanta del secolo scorso. Durante lo

studio, sono inoltre stati interpellati tutti i reparti di medicina intensiva svizzeri, 75 in totale, nei quali l'orario di visita è mediamente di otto ore.

Nel reparto cure intensive dell'Obv che dispone di sei posti letto, lavorano a turno 24 infermieri e 4 assistenti di cura. Il reparto è gestito dal dr Alberto

Pagnamenta, coadiuvato dal dr Alessandro Chiesa. L'accesso al reparto avviene attraverso una sala d'attesa riservata alle famiglie; l'entrata è libera per le persone che il paziente ritiene significative. Nelle ore notturne, dalle 19 alle 7, la porta resta chiusa e occorre annunciarsi.

## OBV Cure intensive: visite 24 ore al giorno

Le visite dei famigliari dei pazienti ricoverati nel reparto di cure intensive all'Ospedale regionale Beata Vergine (OBV) di Mendrisio sono ora possibili sull'arco delle 24 ore. L'estensione dell'orario delle visite, finora dalle 11 alle 20, è stata decisa secondo le convinzioni del personale curante, a conclusione di un lavoro di master presentato alla SUPSI da Claudio Speroni, infermiere del reparto. La letteratura scientifica dimostra come per i pazienti che necessitano di cure continue l'isolamento sia motivo di sofferenza. La restrizione dell'orario, per contro, è legata generalmente a fattori culturali. La «Terapia intensiva aperta» riprende il modello dell'Ospedale San Giovanni Bosco di Torino, uno dei pochi in Italia a disporre dell'orario este-

so. Durante lo studio sono stati interpellati tutti i reparti di medicina intensiva della Svizzera, dove l'orario di visita è mediamente di otto ore. Solo la struttura dell'OBV, insieme con l'ospedale di Winterthur, risulta essere aperta 24 ore. Dalle verifiche risulta che l'apertura continuata è la norma in Inghilterra, negli Stati Uniti e in Svezia. In Francia la media è invece di 3 ore, mentre è di un'ora soltanto in Italia, con orari più estesi nelle province che confinano con il Mendrisiotto (3 ore per quelle di Como e Varese). All'OBV l'accesso al reparto avviene attraverso una sala d'attesa riservata alle famiglie. Solo durante le ore notturne, dalle 19 alle 7, la porta resta chiusa e occorre annunciarsi. Al personale resta la facoltà di sconsigliare le visite.

# Infermieri protagonisti del cambiamento

BEATA VERGINE DI MENDRISIO Ospedale sempre aperto per i propri cari

## Porte aperte 24 ore su 24 per chi ne ha più bisogno

Riorganizzazione? Meno servizi? No, anzi, l'OBV spalanca le sue porte per i pazienti in terapia intensiva. Una nuova misura che va incontro a chi affronta la malattia.

di ANDREA FINESSI

Porte aperte ai cari di chi sta soffrendo in ospedale. L'Ospedale Beata Vergine di Mendrisio non si riorganizza: si rivoluziona. E la rivoluzione nasce proprio dal personale sanitario, infermieri e medici, che dopo anni di lavoro, osservazione ed esperienza accanto ai pazienti del reparto di terapia intensiva, hanno chiesto e ottenuto dall'Ente Ospedaliero Cantonale questa concessione: di tenere aperte, senza restrizioni di orario, le porte del reparto per i familiari di chi è in cura. Finora all'OBV - così come anche nelle altre strutture dell'E-OC - vi è sempre stata la massima disponibilità ad accogliere le famiglie dei pazienti nelle cure intensive anche oltre l'orario di visita ma ora è ufficiale. La decisione che è stata comunicata ieri nell'ambito di un



L'idea è nata dallo stesso personale curante dell'Ospedale.

(foto Maffi)

aggiornamento promosso dal settore infermieristico del dipartimento di medicina intensiva dell'Ente ospedaliero cantonale ed è stata maturata nella convinzione che la presenza della propria famiglia sia di fondamentale importanza per il paziente in un momento così delicato del ricovero in ospedale.

Ci sarà forse più lavoro per gli infermieri, sarà necessaria forse più

pazienza, ma l'estensione dell'orario è stata decisa proprio partendo dal personale curante, infermieri e medici, coinvolto attivamente in questo cambiamento. Sono state seguite, in particolare, - rende noto la clinica - le conclusioni cui è giunto un lavoro di master presentato alla SUPSI da Claudio Speroni, infermiere in cure intensive presso l'OBV. La letteratura scientifica di-

mostra che per i pazienti che necessitano di cure continue l'isolamento è motivo di sofferenza e il rischio infettivo non aumenta qualora i visitatori rimangano per periodi prolungati all'interno del reparto. Non vi sono inoltre ragioni in favore di una restrizione dell'orario, che rimane legata generalmente a fattori culturali di un servizio la cui nascita è collocata, nella storia della medicina, attorno agli anni sessanta del secolo scorso. La "terapia intensiva aperta" adottata all'OBV riprende il modello dell'Ospedale San Giovanni Bosco di Torino, uno dei pochi in Italia a disporre dell'orario esteso. Lo studio condotto da Claudio Speroni, che si è avvalso della collaborazione dei colleghi dell'OBV, ha interpellato tutti i reparti di medicina intensiva svizzeri (ben 75), nei quali l'orario di visita è mediamente di otto ore. Nel mondo l'apertura estesa si trova solo in Inghilterra, Stati Uniti e Svezia. L'OBV è dunque il primo in Ticino e il secondo in Svizzera ad adottare questa misura, dopo l'Ospedale Cantonale di Winterthur.

Cosa cambia? L'accesso al reparto avviene attraverso una sala d'attesa; la porta rimane aperta e non è più necessario chiedere il permesso di accesso tramite citofono. Nelle ore notturne, dalle 19 alle 7, la porta resta chiusa e occorre annunciarsi.

# Infermieri protagonisti del cambiamento

## Potential predictors of visiting hours policies in the intensive care setting

C. SPERONI<sup>1</sup>, D. GOBBI<sup>1</sup>, A. GEMPERLI<sup>3</sup>, P. MERLANI<sup>2, 4</sup>, A. PAGNAMENTA<sup>1</sup>

<sup>1</sup>Intensive Care Unit, Department of Intensive Care Medicine of the Ente Ospedaliero Cantonale (EOC), Regional Hospital Mendrisio, Mendrisio, Switzerland; <sup>2</sup>Intensive Care Unit, Regional Hospital Lugano, Lugano, Switzerland; <sup>3</sup>Department of Health Sciences and Health Policy, Lucerne University, Switzerland, and Swiss Paraplegic Research, Nottwil, Switzerland; <sup>4</sup>Department of Anesthesiology, Pharmacology and Intensive Care, University of Geneva, Geneva, Switzerland

### ABSTRACT

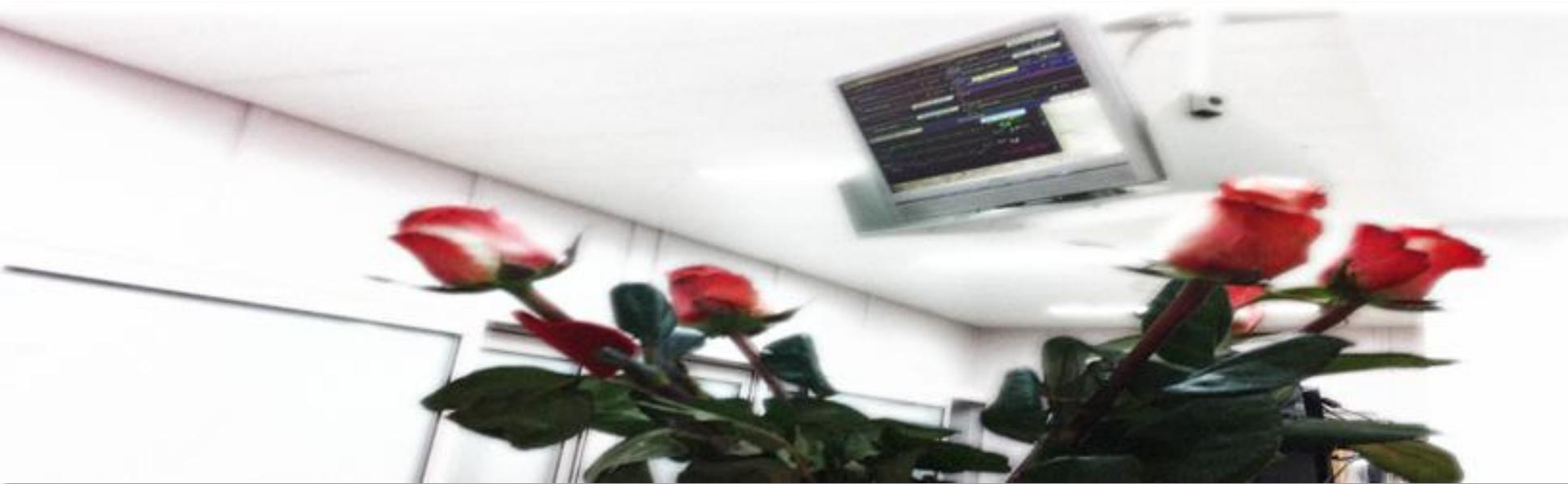
**Background.** Restrictions on visiting hours in the intensive care unit (ICU) are usually adopted worldwide. Current knowledge shows that these limitations are not necessary. In order to identify potential variables that are associated with restricted visiting times we carried out an observational study on visiting policy.

**Methods.** We conducted a questionnaire-based nationwide survey among all certified adult Swiss ICUs. An electronic questionnaire was sent by e-mail between May and June 2012 to all chief nurses. Length of permitted visiting time was taken as main endpoint to assess the association with different potential predictor variables using simple and multiple linear regression analysis.

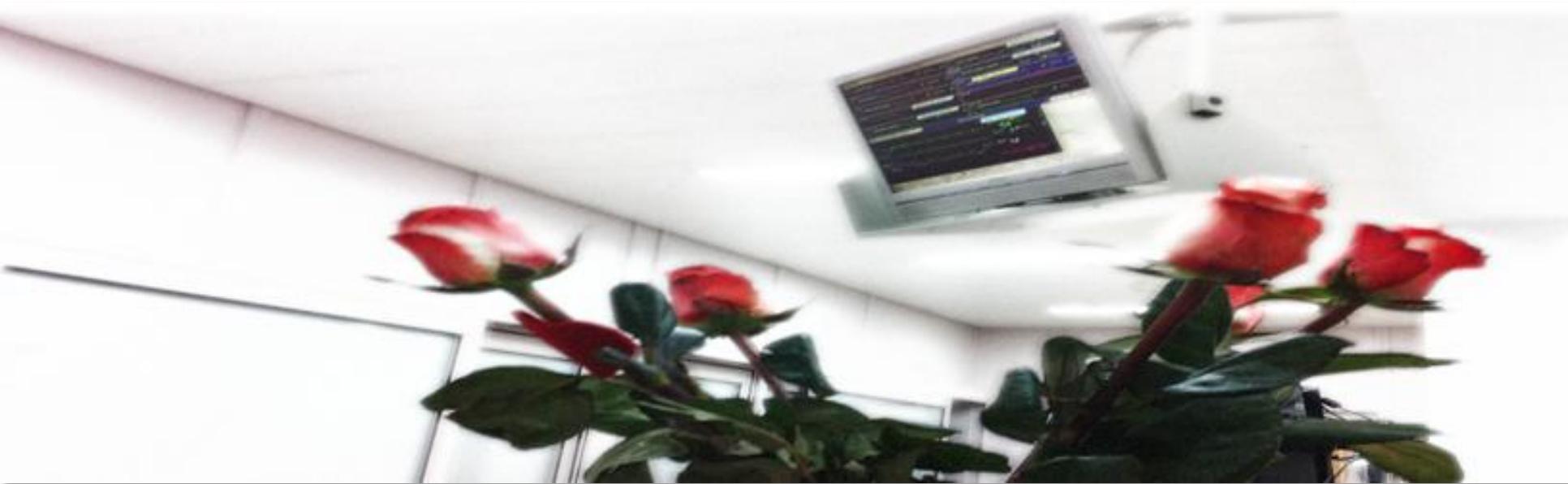
**Results.** Response rate was 73 of 75 ICUs (97%). Only two ICUs (3%) have an unrestricted visiting policy. Median daily visiting time was 8 hours (range: 1.5 to 24 hours; interquartile range: 6-10 hours). Simple and multiple linear regression analysis demonstrated a significant effect in visiting hours between Italian- and French-speaking parts of Switzerland with 4.0 hours longer visiting hours in the former ( $P=0.039$ ) without identifying other predictors.

**Conclusion.** Swiss ICUs have less restrictive visiting policies compared to other Western countries; nevertheless very few Swiss ICUs have unrestricted visitations. Neither medical type of ICU, nor ICU infrastructure was determining the visiting policy in Swiss intensive care setting. Cultural factors, as captured by the linguistic areas are the only identified predictors of visiting hours. Since the current policy is not justified by clinical outcomes but based only on cultural settings, it needs to be definitively reconsidered and unrestricted visiting policies must become the rule rather than the exception. (*Minerva Anestesiol* 2015;81:1338-45)

**Key words:** Visitors to patients - Intensive care units - Patient care.



“ C’era davvero un vaso di fiori “



# “ C’era davvero un vaso di fiori “

Lucia Fontanella, ex-paziente della Terapia Intensiva Aperta dell’Ospedale San Giovanni Bosco di Torino e autrice del libro “La comunicazione diseguale”

Abbiamo  
ancora  
bisogno di  
crescere



grazie  
per  
l'attenzione

