

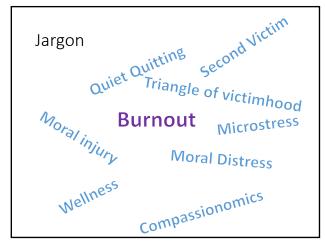




War on poverty 1960s attracted idealistic young people into health service professions
 * Frustrated idealism
 Rapid professionalization and bureaucratization of human services
 Medicare and Medicard were enacted as Title XVIII and Title XIV of the Social Security Act in 1963
 HCWs employed in large organizations with formal job descriptions
 Loss of individual autonomy
 Cultural revolution of the 1960s weakened the professional authorities of doctors, nurses, teachers, social workers and police officers.





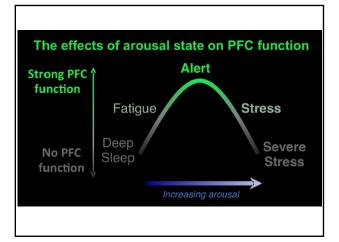


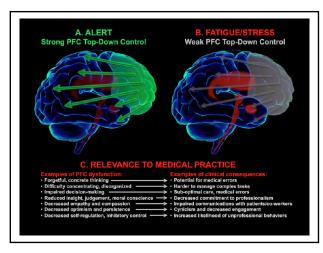
The neurobiology of burnout

- The Prefrontal Cortex (PFC) governs high-order reasoning, social cognition, and complex decision-making, including the integration, conceptualization, and critical evaluation of information. It is essential for executive functions such as attentional regulation, planning and organization, and guiding appropriate social behaviors including placing patients' interest above one's own, and maintaining integrity despite challenges.
- Chronic exposure to uncontrollable stress but not controllable stress has marked deleterious effects on the PFC
 - Sleep deprivation particularly affects PFC functioning with impairments of physiologic activity correlated with cognitive deficits.
- Chronic occupational exhaustion is related to PFC grey matter atrophy
- Recoverable with sustained periods of non stress.

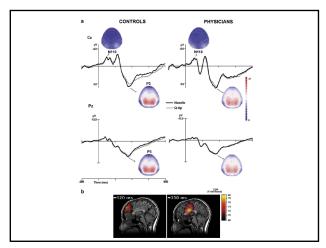
Arnsten AFT, Shanafelt T. Physician Distress and Burnout: The Neurobiological Perspective. Mayo Clin Proc. 2021;96(3):763-9.

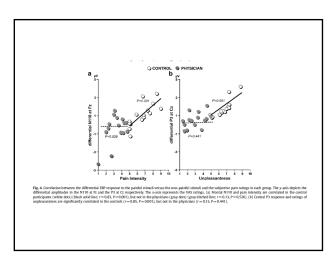
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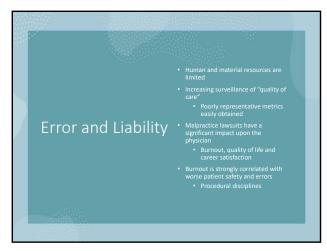


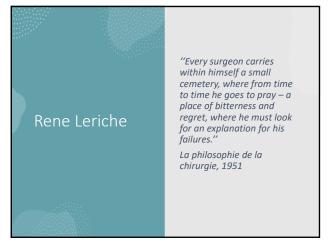






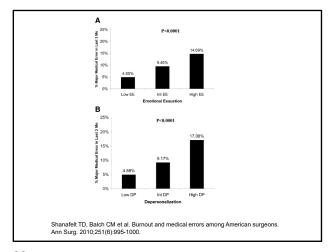


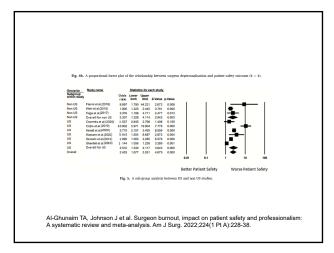




Personal Consequences of Malpractice Lawsuits on American Surgeons Charles M Balch, MD, EACS, Michael R Oreskovich, MD, EACS, Lotte N Dyrbye, MD, Joseph M Colaiano, JD, Daniel V Satele, BS, Jeff A Sloan, PBD, Tair D Shanafelt, MD BACKGROUND: Our objective was to identify the providence of recent malpractice linguistic appairst American surgeons and evaluate association with personal well-being Almoyland malpractic low-units are often filed against American surgeons. the personal consequences with respect to burnour, depressions, and career satisfaction as poorly undentood. STUDY DESIGN: Members of the American College of Surgeons were sent an anonymous, cross-sectional survey in Corbote 2010. Surgeons were asked if they had been involved in amalpractice suit during 2 previous years. The survey also evaluated demographic variables, practice characteristics, career satisfaction, burnours, and quality of life. RESULTS: Of the approximately 25,073 surgeons sampled, 7,164 (29%) terumed surveys. Involvement in a recent malpractice wit was reported by 1,764 of 7,164 (2.6%) responding surgeons. Surcut and the surveys of the surve

	In last 2 years (n = 1,764)	in last 2 years (n = 5,400)	Odds ratio*	p Valu
Burnout				
High EE score,† n (%)	482 (27.5)	1,148 (21.4)	1.39	< 0.000
High DP score,‡ n (%)	332 (19.2)	719 (13.6)	1.51	< 0.000
Burned-out,5 n (%)	561 (31.9)	1,353 (25.2)	1.39	< 0.000
Positive depression screen, n (%)	817 (46.6)	1,981 (36.9)	1.49	< 0.000
Suicidal ideation last year, n (%)	112 (6.4)	215 (4)	1.64	< 0.000
Quality of life				
Overall QOL score, mean	7.2	7.5		< 0.000
Mental QOL score, mean	6.9	7.3		< 0.000
Physical QOL score, mean	6.7	7.0	_	< 0.000
Career satisfaction, n (%)				
Would become physician again	1,226 (69.6)	4,087 (75.8)	0.73	< 0.000
Would become surgeon again	1,343 (76.2)	4,300 (79.8)	0.82	0.00
Recommend children pursue career as physician	863 (55)	2,930 (61.5)	0.81	< 0.000
Recommend children pursue career as surgeon	695 (44.3)	2,419 (50.8)	0.80	< 0.000





INSTITUTE OF MEDICINE Shaping the Future for Health TO I BUILD To Care Is Human — Collectively Confronting the Clinician-Burnout Crisis Victor J. Dzau, M.D., Darrell G. Kirch, M.D., and Thomas J. Nasca, M.D. dentals to AIDS. The ethical principe stat guide clinical care — a commission of the consequences and the process of the confront the crisis Ruman constraint of the parties, and specialities to confront the crisis Rum respecting parties the most according to the crisis. But no single organization to state relief than the dead to an address all the issues that will need to be explored and resolved. There is no mechanism for systematically and collectively underlying many clinicians view year. Nearly every clinician that will need to be explored and resolved. There is no mechanism of resolved there is no mechanism of resystematically and collectively and gratifying calling. It is clear, such as tragedy.



Medical error: the second The doctor who makes the mistake needs h The loss a house officer another resident failed to identify the electrocardiographic		
failed to identify the electrocardiographic	improvements that could decrease errors. Many errors	
V W signs of the privatedal tamposade that continues are supported by the continues of the	are but in see sciency contines and observe. Seeing updue meeting photoism and patent for deducter. And, although patents are the first and obseaux times of although patents are the first and obseaux times of the seeing of the	Personal view p 812
unige via united access to the text executed are appreciation periorism. Patients, who have an understandable need to consider the doctors infallible, have colladed with doctors to deny the existence of error. I hoppidals react to every error as an anomabl, for which the solution is to error to an anomable, for which the solution is to error to an anomable and blane an individual, with a percomine that "it will never happen again." Paradoxically, this approach has diverted attention from the kind of systematic and the properties of the properties	some in the document and a you interest some uses, wo wondering if they kason." Softly, the kind of unconciliorinal sympathy and support that are really needed are rarely forthcoming. While there is a norm of not criticising,' reassurance from colleagues is often gradiging or qualified. One reason may be that learning of the fallings of others allows playsicians to divest their own past errors among	AMJ 2000/320726-7
726	BMJ VOLUME 320 18 MARCI	H 2000 www.bmj.com

Abandon the term "second victim"

An appeal from families and patients harmed by medical errors

 $\label{eq:melissa} \mbox{ Melissa D Clarkson } \mbox{ assistant } \mbox{ professor}^1, \mbox{ Helen Haskell } \mbox{ president}^2, \mbox{ Carole Hemmelgarn } \mbox{ patient } \mbox{ advocate}^3, \mbox{ Patty J Skolnik } \mbox{ president}^4$

'Division of Blomedical Informatics, University of Kentucky, Lexington, KY, USA; "Mothers Against Medical Error, Columbia, South Carolina, USA; ³Highlands Ranch, CO, USA; 'Critzens for Patient Safety, Centennial, CO, USA

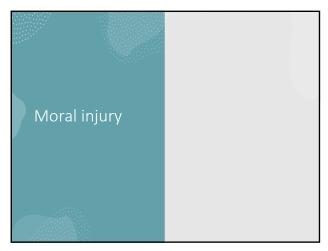
- Abrogation of professional responsibility
 - Victim mindset is incompatible with reasonable standards of patient safety and accountability
- Inward gazing, physician centered perspective
- Ignores the physician's obvious power and agency
- Recognize the need for support of affected physicians

Clarkson MD, Haskell H, Hemmelgarn C, Skolnik PJ. Abandon the term "second victim". BMJ. 2019;364:11233.

28

Stage 1	Error realized/event recognized	How did that happen?
Chaos and accident response	Tell someone → get help	Why did that happen?
	Stabilize/treat patient	
	May not be able to continue care of patient	
	Distracted	
Stage 2	Re-evaluate scenario	What did I miss?
Intrusive reflections	Self isolate	Could this have been prevented?
	Haunted re-enactments of event	
	Feelings of internal inadequacy	
Stage 3	Acceptance among work/social structure	What will others think?
Restoring personal integrity	Managing gossip/grapevine	Will I over be trusted again?
	Fear is prevalent	How much trouble am I in?
		How come I can't concentrate?
Stage 4	Realization of level of seriousness	How do I document?
enduring the inquisition	Reiterate case scenario	What happens next?
	Respond to multiple "why's" about the event	Who can I talk to?
	Interact with many different "event" responders Understanding event disclosure to patient/family	Will I lose my job/license? How much trouble am I in?
	Physical and psychosocial symptoms	How much trouble am I in?
Stage 5	Seek personal/professional support	Why did I respond in this manner?
Obtaining emotional first aid		What is wrong with me?
opening enotional install	Litigation concerns emerge	Do I need help?
	Lisgason concerns emerge	Where can I turn for help?
Stage 6	Dropping out	Is this the profession I should be in?
Moving on (one of three trajectories chosen)	Transfer to a different unit or facility	Can I handle this kind of work?
E-specialist Cristian	Consider quitting	
	Feelings of inadequacy	
	Surviving	How could I have prevented this from happening?
	Coping, but still have intrusive thoughts	Why do I still feel so badly/guilty?
	Persistent sadness, trying to learn from event	
	Thriving	What can I do to improve our patient safety?
	Maintain life/work balance	What can I learn from this?
	Gain insight/perspective Does not base practice/work on one event Advocates for patient safety initiatives	What can I do to make it better?

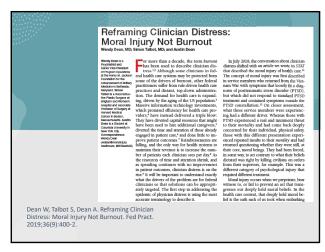
		Arises from the incessant conflict of the two most basic principles of morality: self-interest and altruism
	"Central Paradox" in medicine Albert Jonsen - 1983	"Every physician in our culture must face the paradox of self-interest and altruism. No physician is permitted to be merely a profiteering tradesman; few bind themselves by tow to self-sacrifice. All physicians must live between these principles in institutions that enshrine both of them."
ı		Jonsen AR. Watching the doctor. N Engl J Med. 1983;308(25):1531-5

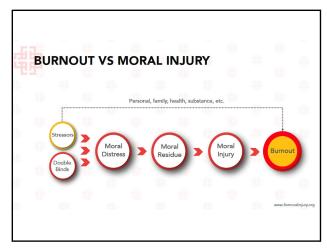


An act of transgression that creates dissonance and conflict because it violates assumptions and beliefs about right and wrong and personal goodness. How this dissonance or conflict is reconciled is one of the key determinants of injury. If individuals are unable to assimilate or accommodate (integrate) the event within existing self- and relational-schemas, they will experience guilt, shame, and anxiety about potential direct personal consequences (e.g., ostracization). Poor integration leads to lingering psychological distress, due to frequent intrusions, and avoidance behaviors tend to thwart successful accommodation.

Litz BT, Stein N, Delaney E, Lebowitz L, Nash WP, Silva C, et al. Moral injury and moral repair in war veterans: a preliminary model and intervention strategy.

Clin Psychol Rev. 2009;29(8):695-706.





Professional burnout is the sum-total of hundreds and thousands of tiny betrayals of purpose, each one so minute that it hardly attracts notice.
Richard Gunderman MD, PhD.



Perceived Nonbeneficial Treatment of Patients, Burnout, and Intention to Leave the Job Among ICU Nurses and Junior and Senior Physicians

 $\label{eq:Daniel Schwarzkopf, MSci^2; Hendrik Rüddel, MD^{1,2}; Daniel O. Thomas-Rüddel, MD^{1,2}; Jorg Felfe, PhD^2; Bernhard Poidinger, MD^{1,2}; Claudia T. Matthaus-Krämer, MA^1; Christiane S. Hartog, MD^1; Frank Bloos, MD, PhD^{1,2}$

Pedrigori institute received funding teen the BMBF. Di funding des Schwarzkopf D, Ruddell H, et al. Perceived Nonbeneficial Treatment of Patients, Burnout, and Intention to Leave the Job Among ICU Nurses and Junior and Senior Physicians. Crit Care Med. 2017;45(3):e265-e73.

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37

Clinicians' Perceptions of Futile or Potentially Inappropriate Care and Associations with Avoidant Behaviors and Burnout

Peter Chamberin, MD, ¹ Jason Lambden, MD, ^{1,2} Elissa Kozlov, PhD, ^{1,2} Renee Maciejewaki, BS, Lindsay Lief, MD, ² David A, Berlin, MD, ² Latrice Pelisser, MS, RN, ² Elina Yushuwayev, MD, ³ Cynthia X, Pan, MD, ³ and Holly G, Prigerson, PhD, ^{1,2}

Abstract

Background: Futile or potentially inappropriate care (futilePPC) for dying inpatients leads to negative outcomes for patients and clinicians. In the setting of fixing cod-of-life health care costs and increasing physician comes for patients and clinicians. In the setting of fixing cod-of-life health care costs and increasing physician Objective: Examine causes of futilePPC. determine whether clinicians report compensatory or avoidant behaviors as a resolution of such care and assess whether these behaviors are associated with burnout. Design: Online, cross-sectional questionnaire.

SentingSubject: Clinicians at two academic hospitals in New York City.

Methods: Respondents were asked the frequency with which they observed or provided futilePPC. and whether Metaurrements: Descriptive statistics, odds ratios, literar regression.

Results: Surveys were completed by 398 subjects. An apicity of clinicians (91.3%) felt they had provided or "possibly" provided futilePPC in the past six months. The most frequent reason inclined by 40 subject to the past six months. The most frequent reason inclined by 40 subject to the past six months. The most regression accordance with compensatory and routent behaviors, but most strongly associated with compensatory and routent behaviors, but most strongly associated with avoidant behaviors, but most strongly associated with button.

burnout.

Conclusions: Putile/PIC, provided or observed, is associated with avoidance of patients, families, and colleagues and those behaviors are associated with burnout.

Chamberlin P, Lambden J et al. Clinicians' Perceptions of Futile or Potentially Inappropriate Care and Associations with Avoidant Behaviors and Burnout. J Palliat Med. 2019;22(9):1039-45.

38

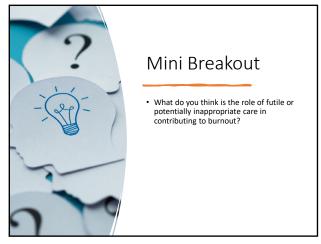
Association of Perceived Futile or Potentially Inappropriate Care With Burnout and Thoughts of Quitting Among Health-Care Providers

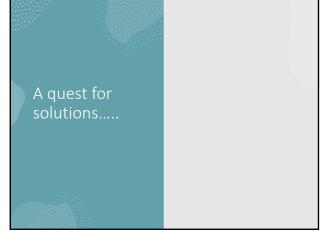
Jason P. Lambden, MSPH^{1,2}, Peter Chamberlin, MD^{1,2}, Elissa Kozlov, PhD^{1,2}, Lindsay Lief, MD², David A. Berlin, MD², Latrice A. Pelissier, MS³, Elina Yushuvayev, MD³, Cynthia X. Pan, MD³, and Holly G. Prigerson, PhD^{1,2}

Abstracts

Background finale or potentially inappropriate care (fuelle/PIC) has been suggested as a factor contributing to clinician well-being however, little is known about this association. Objectives To determine whether facility Cprovision is associated with measure of clinician well-being. Designer Cross-sections, leaf-deministered, online questionnaire, Settling IV no New York CQP. Hospitals, Participantes Attending physicians, residents, nurses, and physician assistants in the fields of internal medicine, suggest, neurology, or intensive care. Exposure(s): Provision of perceived fuelly PIC. Measurements: Nain outcomes included (1) clinician burnout, measured using the Physician Workfelfs sould screen; (2) clinician depression, measured using the Physician Workfelfs sould screen; (2) clinician depression, measured using the Physician Workfelfs sould screen; (2) clinician depression, measured using extensive states of the little plant of the provision of the little plant of the provision of the provision

Lambden JP, Chamberlin P et al. Association of Perceived Futile or Potentially Inappropriate Care With Burnout and Thoughts of Quitting Among Health-Care Providers. Am J Hosp Palliat Care. 2019;36(3):200-6.





Alignment of work with fundamental goals and the pursuit of meaningful activities

Sustaining Excellence Over a Career

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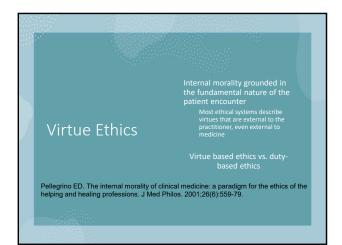
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Stuart L. Weinstein. Sustaining Excellence Over a Career: Invited Perspective. JPOSNA [Internet]. 2023 May 1 [cited 2023 May 10];5(2). Available from: https://jposna.org/index.php/jposna/article/view/

43



44



Aristotle

- Living a useful life -Eudaimonia a state of flourishing
- Every act and every inquiry, and similarly every action and pursuit is thought to aim at some good and for this reason the good has rightly been declared to be that at which all things aim.

Aristotle, Nicomachean Ethics, 1094a 1±3



Four cardinal virtues

Prudence
Justice
Fortitude
Temperance

46







Short- and long-term subjective medical treatment outcome of trauma surgery patients: the importance of physician empathy

Purpose To investigate accident cantallies' long-term subjective evaluation of treatment of contents when said 12 months after discharge and 18 relation to the experienced suggested receipted, softial possible relations to the experienced suggested to receipted softial possible relations of the results of the relation to the experience suggested to the 4-west follow-up outcomes, relation theses. The long-term results are compared to the 6-west follow-up outcomes. Partiestes and remote first the bandled and secretion suggest guidents were surveyed to the 6-west, and 200 guidents at 12 months after discharge from the trams suggied general section suggest guidents of refload relations to orthood to results out sources was measured for weeks and 12 no version surveyed to evidence and the surveyed to the survey of the surveyed to the surveyed to the survey of the surveyed to the survey of the surveyed to the surveyed

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Healthcare provider compassion is associated with lower PTSD symptoms among patients with life-threatening medical emergencies: a prospective cohort study

Jeena Moss¹, Michael B. Roberts², Lisa Shea¹, Christopher W. Jones¹, Hope Kilgannon¹, Donald E. Edmondson³, Stephen Trzeciak^{4,5} and Brian W. Roberts^{1,5*} o

Purpose: We tested the hypothesis that, during a life-threatening medical emergency, patient perception of health-care provided (HCP) compassion is associated with the subsequent development of post-traumatic stress disorder (HCPS) woments.

Lest pursuet ITA-Ty compassion associated with the subsequent development of post-fraumatic tress shorted PGPSO) symptoms.

Methods: Prospective confort study in the emergency department EED of an ubas assignment of post-fraumatic stress shorted broadball shall patients presenting with label threatening medical invergency defined as repisted or careful tress of the prospective of the prospective of the prospective of the prospective of conformation broadball shall patient prospective of the prospec

uereusping in 30 symptoms are common among ED patients with life threatening medical emergencies. Patient perception of greater HCP compassion during the emergency is independently associated with lower risk of develop ing PED symptoms.

Keywords: Post-traumatic stress disorder, PTSQ, Compassion, Empathy







