

Index

acute kidney injury (AKI), 59, 61-3 ASIA scale. See American Spinal Injury ESRD and, 61-3 Association Impairment Scale mortality in, 60 Ask-Tell-Ask, 20-3, 183-4 palliative care for, 63-4 assessors, trained, 172-3 QoL outcomes for, 60-1 autonomy, clinician, 127-31 ADs. See advance directives autonomy, patient, 1 advance care planning, 2, 135-6, 157 appropriate decision maker advance directives (ADs) and, 126-7 clinical questions of, 146-7 clinician autonomy and, 127-8 digital, 146 surrogates and, 126-8 families, surrogates, and, 143-7 unbefriended patient and, 149-50, health care power of attorney, 153 - 4143 - 7legal questions of, 143-6 bilevel positive airway pressure (BIPAP), living will, 143-7 AGS. See American Geriatrics Society brain death, 82, 179 AHA. See American Heart Association communication about, data on, AIS. See American Spinal Injury Association Impairment Scale communication about, strategies for, AKI. See acute kidney injury 179-84, 186 aligning statement, 25 empathy and discussions of, 181, ALS, 137 183-4, 186 AMA. See American Medical Association families and, 73, 179-86 objections to, addressing, 179, 184-5 American Academy of Neurology, 185 American College of Critical Care organ donation after, 73, 179-80, Medicine, 169 183-4, 186 American Geriatrics Society (AGS), 150, palliative care and, 180 brain MRI, 77, 79, 83-6 American Heart Association (AHA), brain-computer interfaces, 2 30-1, 84-6 American Medical Association (AMA), capacity, for decision-making, 133-4, 127, 150, 153 151 - 2American Spinal Injury Association cardiac arrest, hypoxic-ischemic brain Impairment Scale (AIS) (ASIA scale), injury after. See hypoxic-ischemic 117, 120-2brain injury American Thoracic Society, 169 cardiac arrest, in-hospital aphasic patients, 2 code status conversations for, 29-30, appropriate decision makers, 125-7 32 - 3



More Information

190 Index

cardiac arrest, in-hospital (cont.) cognitive biases, 13-17 CPR for, 29-32 default effects, 15-16 hospital survival of, 30-1 disability paradox, 16, 135 incidence of patients with, 30 framing effects, 14-17 long-term survival for, 31-6 numeracy and, 14-17 outcomes for, 30-1, 36 optimism bias, 15-17 outcomes for, predicting, 31-2 priming, 15 quality of life after, 31 collaboration cardiopulmonary resuscitation (CPR), 29, barriers to, 1 32-5, 169 decisions warranting, 3-4 code status conversations for, 29-30, communication, 73-4 Ask-Tell-Ask, 20-3, 183-4 communication tools, skills, and, 35-6 on brain death, data for, 179-80 decision aids for, 35-6 on brain death, objections to, 179, goals of care and, 34-6 184 - 5option preference for, 33-4 on brain death, strategies for, 179-84, phase of life assessed for, 34-5 preference-sensitive decision for, 30 in code status discussions, interventions recommendation in, 34-6 for, 35-6 video interventions on, 35-6 CPR and, 35-6 CCI. See chronic critical illness deliberation and, 20, 25-6 Cerebral Performance Category (CPC), empathy in, 23-6, 181, 183-4, 186 in family meeting, 19-20, 183-4 cerebral resilience, 80-1 in ICUs, aids for, 2 Choosing Wisely, 55 in palliative care, 159-61 chronic critical illness (CCI) plan developed with, 20, 26 end of life care for, 55-6 QOC Questionnaire on, 172 home care for, 57, 47-54 in time-limited conversations, 137-9 LTAC for, 53-4, 57, 42-52 of treatment options, 20, 23 mechanical ventilation for, 53-5, 57, VALUE mnemonic for, 46 41_51 communication boards, 2 mortality in, 57, 42-52 consultative model, of palliative care, tracheostomy declined for, 55-6 158-61 tracheostomy for, 52-4, 57 continuous renal replacement therapy chronic kidney disease (CKD), 59-61 (CRRT), 59, 63-4 chronic obstructive pulmonary disease COPD. See chronic obstructive (COPD), 42-3 pulmonary disease CKD. See chronic kidney disease CPC. See Cerebral Performance Category code status, 33, 169 CPR. See cardiopulmonary resuscitation in admission, assessing, 29, 42 CRRT. See continuous renal replacement conversations for, 29-30, 32-3 therapy decision aids and, 35-6 CT DNR, 29-30 hypoxic-ischemic brain injury on, 83 Full Code, 29-30, 34-5 SCI on, 115-16, 118 interventions in, 35-6 stroke on, 93-4



More Information

DC, for stroke patients. See stroke patients, DESTINY (Decompressive Surgery for decompressive craniectomy for the Treatment of Malignant DC, for traumatic brain injury. Infarction of the Middle Cerebral See traumatic brain injury Artery), 94-8 decannulation, 54, 72 DESTINY-2, 96-8 DECIMAL. See Decompressive disability paradox, 16, 135 DNI. See intubation Craniectomy in Malignant Middle Cerebral Artery Infarcts DNR. See do-not-resuscitate decision aids, 160-1 do-not-intubate (DNI). See intubation in code status discussions, interventions do-not-resuscitate (DNR), 32-6, 42, for, 35-6 in ICUs, evidence for, 46-7 code status conversations and, 29-30 in ED, 135-6 for mechanical ventilation, web-based, goals of care and, 34-6 in time-limited conversations, option preference for, 33-4 phase of life assessed for, 34-5 137 - 8Decision Regret Scale, 174 as preference-sensitive decision, 30, 33 Decisional Conflict Scale, 172 recommendation in, 34-5 decisions Dyadic OPTION instrument, 173 major and minor, 8-9 mutual deliberation warranted by, 3-4 ECMO. See extracorporeal membrane technical and value-laden, 8-9 oxygenation decompressive craniectomy, for stroke ECPR. See extracorporeal patients. See stroke patients, cardiopulmonary resuscitation decompressive craniectomy for ED. See emergency department decompressive craniectomy, for traumatic EDCD. See extracorporeal donation after brain injury patients. See traumatic cardiac death brain injury education, clinician, 35-6 Decompressive Craniectomy in Diffuse EEG, 77-8, 80-1, 83-6 electronic medical record (EMR), 168, Traumatic Brain Injury (DECRA), 170-2106-7, 109-10 Decompressive Craniectomy in Malignant emergency department (ED), 133-4 Middle Cerebral Artery Infarcts advance care planning and, 135-6 (DECIMAL), 94-8 capacity in, 133-4 Decompressive Surgery for the Treatment families, surrogates, in, 133-7, 139 of Malignant Infarction of the intubation in, 136-8 Middle Cerebral Artery. See time-limited conversations in, structure for, 137-9 DESTINY DECRA. See Decompressive Craniectomy emergency physicians (EPs), 135 in Diffuse Traumatic Brain Injury advance care planning and, default effects, 15-16 deliberation surrogates and, 133-4, 136-7 barriers to mutual, 1 time-limited conversations of, structure decisions warranting mutual, 3-4 for, 137-9 in goals of care meeting, 20, 25-6 emotion, 23-4

Index

191



More Information

192 Index

in ED, 134-7, 139 in ICUs, as resource, 9-10 in brain death discussions, 181, 183-4, 186 major and minor decisions for, 8-9 in goals of care meeting, 23-6 meeting with, 19-25, 183-4 I wish and I worry statements of, 25-6 palliative care and, 158-62 NURSE mnemonic for, 23-6, patient autonomy and, 126-8 PREMS for, 170-2 183_4 EMR. See electronic medical record PTSD risk for, 10, 19 end-of-life care quality-of-life discussed with, 25 ADs in, 146-7 as stakeholders, 171-3 for CCI, 55-6 stress on, 10-11, 19 palliative, 159 for stroke patients, DC discussions endotracheal tube, 8-9 with, 98-100 end-stage renal disease (ESRD), 61-3 surrogates from, 7-11 EPs. See emergency physicians for TBI, DC discussions with, 103, ERC/ESICM. See European Resuscitation Council and European Society of unbefriended patients and, 152 Intensive Care Medicine framing effects, 14-17 ESRD. See end-stage renal disease Full Code, 29-30, 34-5 ethical conflict, 125-7 futile treatment. See potentially European Resuscitation Council inappropriate treatment and European Society of Intensive Care Medicine GCS. See Glasgow Coma Scale (ERC/ESICM), 83-6 Get With The Guidelines-Resuscitation experts, clinicians as, 1 registry, 30-1 extracorporeal cardiopulmonary Glasgow Coma Scale (GCS), 105, 133, resuscitation (ECPR), 70-1 136-7, 162 extracorporeal donation after cardiac Glasgow Outcome Scale, extended (GOSdeath (EDCD), 73 E), 105, 107, 109-10 extracorporeal membrane oxygenation goals of care, 130 (ECMO), 3, 67-75 CPR and, 34-6 affordability of, 70 for hypoxic-ischemic brain injury, complications from, 71-2 79-80 initiation of, 68-71 in palliative care, 159 maintenance of, 71-2 tracheostomy, deciding against, in, termination of, 72-3 extubation, 55-6 for unbefriended patients, 152 goals of care meeting, 19-20, 26 aligning statement in, 25 families, 41, 137, 169 ADs and, 143-7 Ask-Tell-Ask in, 20-3 brain death discussions with, 73, clinical team pre-meeting for, 20-1 179 - 86deliberation in, 20, 25-6 clinician autonomy and, 127-8 empathy in, 23-6 conflict resolution with, framework for, 19-20 128-31 introductions in, 20-1



location and setup for, 21

patient voice in, 24-6

NURSE mnemonic for, 23-6

Cambridge University Press 978-1-108-73554-4 — Shared Decision Making in Adult Critical Care Edited by Matthew Jaffa , David Hwang Index

More Information

Index 193

recommendation in, 26 treatment options explained in, 20, 23 values elicited in, 19-20, 24-6 Good Outcome Following Attempted Resuscitation (GO-FAR), 32 GOS-E. See Glasgow Outcome Scale, extended HAMLET. See Hemicraniectomy After Middle Cerebral Artery infarction with Life-threatening Edema Trial health care power of attorney, 143-7 Hemicraniectomy After Middle Cerebral Artery infarction with Lifethreatening Edema Trial (HAMLET), 94-8, 137 "Hidden Brain" podcast, 137 home care, for CCI, 57, 47-54 home ventilators, 55-6 hypoxic-ischemic brain injury, 77-80, 83 on brain MRI, 77, 79, 83-6 cerebral resilience and, 80-1 CPC scale for, 81-2 goals of care discussions for, 79-80 outcome measures for, 81-2, 84-6 ROSC and, 77, 80 severity of, 80-1 TTM for, 81-2, 84-7 WLST for, 77-9, 81, 87 hypoxic-ischemic brain injury, prognostication of, 82, 87 clinical guidelines for, 83-6 timing for, 86

ICA. See internal carotid artery ICP. See intracranial pressure ICUs. See intensive care units infrastructure, for SDM, 167–9, 171–2 in-hospital cardiac arrest. See cardiac arrest, in-hospital

tools for, 82-3

integrative model, of palliative care, 158-61 intensive care units (ICUs), 1-2 admission to, code status discussed in, 29, 42 ADs in, 143-4, 146-7 AKI in, 59, 63-4 appropriate decision makers in, 125 - 7CCI in, 41-4 clinician autonomy in, 127-8 decision aids in, evidence for, 46-7 DNR conversations in, 32-3 families as resource in, 9-10 goals of care in, 130, 152, 159 intubation discussion in, 42 LTAC and, 53-4 measuring and evaluating SDM in, 167, 169-75 mechanical ventilation and, 51, 53-4 numeracy in, study of, 13-14 patient autonomy in, 126-8 potentially inappropriate treatment in, 125, 127-31 PREMS for, 170-3 respiratory failure after, disposition for, respiratory failure in, 41-4, 46-7 SDM in, decisions appropriate for, 3-4, staffing of, 169 stakeholders in, 169, 171-3 stroke patients in, 93-4 surrogates in, 2, 9-10, 46-7 TBI patients in, 103, 106-7 tracheostomy in, 52-3, 55-7 unbefriended patients in, 149, 152-3 values elicited in, 44-7 intensive care units (ICUs), palliative care in. See palliative care internal carotid artery (ICA), 94 International Consensus Meeting on the Role of Decompressive Craniectomy in the Management of Traumatic Brain Injury, 107-8



More Information

194 Index

intracranial pressure (ICP), 103, 105-8, prognosis discussed in deciding, 44, 47 110. See also Randomized Evaluation recommendation given for, 45 of Surgery with Craniectomy for SCI and, 119-22 Uncontrollable Elevation of weaning from, 3, 54 middle cerebral artery (MCA) stroke. See Intracranial Pressure intubation, 2, 8-9, 41, 53, See also stroke patients mechanical ventilation modified Rankin Scale (mRS), 82 context-specific preferences for, 41-2 cognitive biases and, 15-16 do-not-intubate order for, 41, 44-5, DC, for stroke patients, and, 94-9 DC, for TBI, and, 109 135-6, 160-1 in ED, 136-8 mortality information exchanged for deciding, 44 in acute respiratory failure, 42-3, 47 intervention described for deciding, 45 in AKI, 60 prognosis discussed in deciding, in CCI, 57, 42-52 44, 47 stroke patients, DC for, and, 94-100 recommendation given about, 45, 47 mouthpiece ventilation, 55-6 mRS. See modified Rankin Scale surrogate role in deciding, 46-7 mutual deliberation tracheostomy and, 55-6 values elicited for deciding, 44-7 barriers to, 1 decisions warranting, 3-4 living will, 143-7 longevity of life, 7, 25 neurologic presentation, of SCI, 117-18 long-term acute care (LTAC), 53-4, 57, neurology 42-52 brain death and, 179, 181-5 lung transplantation, 72-3 palliative care in, 161 neuron-specific enolase. See serum neuron malignant middle cerebral artery specific enolase syndrome, 94 noninvasive ventilation, 55-6 measuring and evaluating, of SDM, 167, NSE. See serum neuron specific enolase numeracy, 13-17 infrastructure and policy, 167-9, numerical risk cognitive biases in discussing, 13-17 171 - 2outcomes, 167-8, 171-5 numeracy in discussing, 13-17 PREMS for, 170-3 presenting, 13, 16–17 trained assessors for, 172-3 NURSE mnemonic, 23, 25-6, 183-4 mechanical ventilation, 45, 51, 145, 162 exploration in, 24 for CCI, 53-5, 57, 41-51 naming in, 24 decision aids for, study of, 47 respect in, 24 forgoing, 42 support in, 24 after ICU, disposition for, 53-4 understanding in, 24 intervention described for, 45 nursing homes, 61 long term, 55, 57 LTAC patients requiring, 42-52 optimism bias, 15-17 mortality and, 42-3, 47 OPTION(5) measure, 172-3 option preference, 33-4 noninvasive, 55-6



More Information

Index 195 organ donation, 73, 179-80, 183-4, PPPC. See Patient Perception of Patient-Centeredness outcomes, SDM, measuring and pregnant patients, 143-5 evaluating, 167-8, 171-3 PREMS. See proxy-reported experience clinician and institutional, 174-5 patient, 173-4 priming, 15 proxy, 174 primum non nocere, 127, 131 proxies. See surrogates palliative care, 169, 172 proxy-reported experience measures for AKI, 63-4 (PREMS), 170-3 brain death and, 180 PTSD. See post-traumatic stress disorder communication skills in, 159-61 consultative model of, 158-61 QOC Questionnaire. See Quality of end of life, 159 Communication Questionnaire families and, 158-62 QoL. See quality of life goals of care in, 159 Quality of Communication (QOC) in ICUs, need for, 157-8 Questionnaire, 172 in ICUs, skills of, 159 quality of life, 3, 19 in ICUs, triggers for, 161-2 AKI, RRT, and, 60-1 integrative model of, 158-61 DNR and, 36 primary, 158-9, 161-2 ED decision-making and, 135 specialist, 158, 161-2, 169, 180 in family meeting, discussion of, 25 for stroke patients, 161 after in-hospital cardiac arrest, 31 surrogates and, 157-8, 160-1 longevity of life and, 7, 25 QoL measures of, 60-1, 98-9 unbefriended patient and, 149 values elicited in, 157-9 for SCI, 120-2 paternalistic approach, 9 stroke patients, DC for, and, 94-5, Patient Perception of Patient-Centeredness (PPPC), 172 unbefriended patients on, 151 Patient-Centeredness of Care Scale, 172 - 3Randomized Evaluation of Surgery with phase of life, assessing, 34-5 Craniectomy for Uncontrollable Elevation of Intracranial Pressure Physician Orders for Life-Sustaining Treatment (POLST), 136, 153-4, (RESCUEicp), 106-7, 109-10 168, 170 recommendation policy, for SDM, 167-9, 171-2 in CPR decision-making, 34-6 POLST. See Physician Orders for in goals of care meeting, 26 in intubation discussion, 45, 47 Life-Sustaining Treatment post-traumatic stress disorder (PTSD), 10, Renal Physicians Association and 19, 160-1, 174 American Society of Nephrology potentially inappropriate treatment, (RPA/ASN) Working Group, 61-4 renal replacement therapy (RRT), 61-3 conflict resolution for, 128-31 for AKI, 59 conflicting autonomy and, 127-31 case for, 3, 59 defining, 128, 130 CRRT, 59, 63-4



More Information

196 Index

renal replacement therapy (RRT) (cont.) prognosis for, 120-2 ESRD risk and, 61 quality of life after, 120-2 outcomes for, 60 rehabilitation for, 120 QoL outcomes for, 60-1 surgical treatment of, discussing, RESCUEicp. See Randomized Evaluation 118-19, 122 of Surgery with Craniectomy for tracheostomy and postacute care of, Uncontrollable Elevation of 119-20 Intracranial Pressure SSEPs. See somatosensory evoked respiratory failure, 41-2, 53, 41-51. potentials See also chronic critical illness staffing, of ICUs, 169 do-not-intubate order for, 41, 44-5 stakeholders, 169, 171-3 epidemiology of acute, 42-3, 47 stress after ICU, disposition for, 53-4 on families, 10-11, 19 PTSD, 10, 19, 160-1, 174 mortality in acute, 42-3, 47 prognostication in acute, 43-4 on surrogates, 10-11, 19, 46, 160-1, 174 surrogate role in, 46-7 stroke patients, decompressive return of spontaneous circulation (ROSC), craniectomy for, 3, 93-4 77, 80 with families, discussion of, 98-100 RPA/ASN Working Group. See Renal mortality rates and, 94-100 Physicians Association and on mRS, 94-9 American Society of Nephrology outcomes and, 94-100, 109 Working Group for patients age 18-60 years old, RRT. See renal replacement therapy for patients older than age 60, 96-7 SCI. See spinal cord injury quality of life and, 94-5, 98-9 SDM (shared decision-making). stroke patients, palliative care for, 161 See specific topics surrogates, 2, 8-11 Serious Illness Conversation Guide, 35 ADs and, 143-7 serum neurofilament light chain, 83 clinician autonomy and, 127-8 serum neuron specific enolase (NSE), 83-6 conflict resolution with, 128-31 Setup, Perception, Invitation, Knowledge, in ED, 133-7, 139 Emotions, Summarize. See SPIKES in ICUs, as resource, 9-10 shared decision-making (SDM). intubation and, 46-7 See specific topics major and minor decisions for, 8-9 somatosensory evoked potentials (SSEPs), outcomes for, measuring and evaluating, 174 SPIKES (Setup, Perception, Invitation, palliative care and, 157-8, 160-1 Knowledge, Emotions, Summarize), paternalistic approach and, 9 183 - 4patient autonomy and, 126-8 spinal cord injury (SCI), 115-16 PREMS for, 170-3 epidemiology of, 115-16 PTSD risk for, 10, 19, 160-1, 174 initial management of acute, 118 as stakeholders, 171-2 mechanical ventilation and, 119-22 stress on, 10-11, 19, 46, 160-1, 174 mechanisms of, 116-17 for TBI, secondary DC discussions neurologic presentation of, 117-18 with, 108-11



More Information

time-limited conversations with, guidelines and resources for, 150-1, 137, 139 153-4 tracheostomy and, 52 patient autonomy and, 149-50, unbefriended patients and, 150-4 153 - 4surrogates and, 150-4 targeted temperature management variability among, 151-2 (TTM), 81-2, 84-7 TBI. See traumatic brain injury VALUE (value, acknowledge, listen, technical decisions, 8-9 understand, and elicit) mnemonic, teleconferencing, 21 46 terminal cancer, 3 value-laden decisions, 8-9 time-limited conversations, 137-9 values, eliciting, 46 tracheostomy, 137 in AKI treatment, 62-4 for CCI, 52-7 in goals of care meeting, 19-20, patients deciding against, 55-6 24 - 6postacute care of SCI and, 119-20 for intubation decisions, 44-7 traumatic brain injury (TBI), 103-7 in palliative care, 157-9 with families, discussing, 103, 108-11 ventilation, mechanical. See mechanical scales used in, 105 ventilation

unbefriended patients, 149 capacity of, 151–2 care of, 152–4 complications for, 149–50 families and, 152 goals of care for, 152

secondary DC in, 106-11

with surrogates, discussing, 108-11

TTM. See targeted temperature management

withdrawal of life-sustaining therapy (WLST), 160 in ED, 134 for hypoxic–ischemic brain injury, 77–9, 81, 86 in TBI, 108–10

ventilator weaning, 3, 54

video interventions, 35-6

video conferencing, 21

Index

197