

Additional file 1 – Characteristics of the included studies

SYSTEMATIC REVIEWS						
Title	Year	Journal	Language	Country	AMSTAR 2	Quality Indicators
Predicting length of stay in thermal burns: A systematic review of prognostic factors ⁹⁴	2013	Burns	English	United Kingdom	Critically low	- length of hospital stay
Oxandrolone use in adult burn patients. Systematic review and meta-analysis ⁵⁷	2014	Acta Cirurgica Brasileira	English	Brazil	Critically low	- time of healing of the donor area - laboratory diet markers - weight loss during hospitalization - length of hospital stay - monitoring of hypermetabolism
Topical treatment for facial burns ³⁵	2020	Cochrane Library	English	The Netherlands	Moderate	- time to wound closure/percentage of wound healed - care-associated infection - pain assessment - length of hospital stay - patient satisfaction - need for surgery
Pediatric enteral nutrition therapy for burn victims: when should it be initiated? ⁵⁵	2019	Rev. Brasileira de Terapia Intensiva	Portuguese	Brazil	Critically low	- mortality - length of hospital stay - energy and protein needs/consumption - weight loss during hospitalization - diet-related complications - laboratory diet markers
Tissue healing efficacy in burn patients treated with 1% silver sulfadiazine versus other treatments: a systematic review and meta-analysis of randomized controlled trials ¹⁰⁰	2019	Anais Brasileiros de Dermatologia	English	Brazil	Low	- time to wound closure
Meta-analysis of early excision of burns ⁶²	2006	Burns	English	Singapore	Critically low	- mortality - assessment of blood loss - length of hospital stay - duration of sepsis - duration of surgical procedures - number of surgeries - time to wound closure

RANDOMIZED CONTROLLED TRIALS																	
Title	Year	Journal	Language	Country	PEDro Scale											Quality Indicators	
Prospective randomized controlled trial comparing the effects of noncontact low frequency ultrasound with standard care in healing split-thickness donor sites ³³	2015	Journal of the American College of Surgeons	English	USA	1 Y	2 Y	3 Y	4 Y	5 N	6 N	7 Y	8 N	9 Y	10 Y	11 Y	- time of healing - assessment of pain/pruritus - reopening rate of the donor area	
Evaluation of Liposomal Bupivacaine at split-thickness skin graft donor sites through a randomized, controlled trial ³⁴	2021	Journal of Burn Care & Research	English	USA	1 Y	2 Y	3 N	4 Y	5 Y	6 N	7 Y	8 N	9 Y	10 Y	11 Y	- pain assessment - time of first opioid medication - registration of pain medications	
The effect of reflexology massage and passive music therapy intervention before burn dressing on pain, anxiety level and sleep quality ³⁶	2022	Burns	English	Turkey	1 Y	2 Y	3 N	4 Y	5 N	6 N	7 N	8 N	9 Y	10 Y	11 Y	- pain/anxiety assessment - sleep quality assessment - use of opioids and analgesics	
Rapid enzymatic burn debridement: A review of the paediatric clinical trial experience ⁴⁴	2020	International Wound Journal	English	Israel / Germany	1 Y	2 Y	3 N	4 N	5 N	6 N	7 N	8 N	9 Y	10 Y	11 Y	- time to wound closure - time to complete removal of the eschar - blood loss - percentage of wound grafted - incidence and excised wound area - need for escharotomy	
Comparative study of conventional and topical heparin treatments for burns analgesia ⁷⁰	2010	Rev. Associação Médica Brasileira	Portuguese	Brazil	1 Y	2 Y	3 N	4 N	5 N	6 N	7 N	8 N	9 Y	10 Y	11 Y	- demand for analgesics	
Cost-effectiveness of collagen wound dressing with alginate for the treatment of split-thickness skin graft donor sites ³⁸	2017	Rev. Brasileira de Queimaduras	Portuguese	Brazil	1 Y	2 Y	3 N	4 N	5 N	6 N	7 N	8 N	9 Y	10 Y	11 Y	- pain assessment - length of hospital stay - time for epithelialization	
Randomized controlled trial of the foot reflexology on pain and anxiety severity during dressing change in burn patients ³⁹	2021	Burns	English	Iran	1 Y	2 Y	3 N	4 Y	5 N	6 N	7 Y	8 N	9 Y	10 Y	11 Y	- pain/anxiety assessment	
The effects of short bouts of ergometric exercise for severely burned children in intensive care: A randomized controlled trial ⁹⁸	2022	Clinical Rehabilitation	English	USA	1 Y	2 Y	3 Y	4 Y	5 N	6 N	7 Y	8 N	8 Y	10 Y	11 Y	- length of ICU hospitalization - body mass index - deambulation	
Controlling intraoperative hemorrhage during burn surgery: A prospective, randomized trial comparing NuStat1 hemostatic dressing to the historic standard of care ⁸³	2017	Burns	English	USA	1 Y	2 Y	3 N	4 Y	5 N	6 N	7 N	8 N	9 Y	10 Y	11 Y	- blood loss	

Gauze dressing versus cellulose fiber salinized mesh as a temporary dressing for skin graft donor sites⁴¹	2015	Revista Brasileira de Queimaduras	Portuguese	Brazil	1 Y	2 Y	3 N	4 N	5 N	6 N	7 N	8 N	9 Y	10 Y	11 Y	- pain assessment - re-epithelialization of the donor area - wound complications
The effect of progressive muscle relaxation on anxiety and sleep quality in burn patients: A randomized clinical trial⁸⁶	2019	Burns	English	Iran	1 Y	2 Y	3 Y	4 Y	5 N	6 N	7 N	8 Y	9 Y	10 Y	11 Y	- anxiety and sleep quality assessment
A novel rapid and selective enzymatic debridement agent for burn wound management: A multi-center RCT⁴⁵	2014	Burns	English	USA/ Israel	1 Y	2 Y	3 Y	4 Y	5 N	6 N	7 N	8 Y	9 Y	10 Y	11 Y	- quantity and percentage of wound excised and grafted - time to complete removal of the eschar - time to wound closure - need for escharotomy - blood loss
Hypnosis for reduction of background pain and pain anxiety in men with burns: A blinded, randomised, placebo-controlled study⁴²	2017	Burns	English	Iran	1 Y	2 Y	3 N	4 Y	5 Y	6 N	7 Y	8 Y	9 Y	10 Y	11 Y	- assessment of pain intensity - assessment of pain quality - anxiety
Computer tablet distraction reduces pain and anxiety in pediatric burn patients undergoing hydrotherapy: A randomized trial⁴³	2017	Burns	English	USA	1 Y	2 Y	3 Y	4 Y	5 N	6 N	7 N	8 Y	9 Y	10 Y	11 Y	- pain assessment - emotional manifestation of pain - nursing perception of the pain - duration of hydrotherapy

QUASI-EXPERIMENTAL PROSPECTIVE STUDIES																
Title	Year	Journal	Language	Country	PEDro Scale											Quality Indicators
A quality improvement project incorporating preoperative warming to prevent perioperative hypothermia in major burns. ⁸¹	2018	Burns	English	Canada	1 Y	2 N	3 N	4 Y	5 N	6 N	7 N	8 N	9 Y	10 Y	11 Y	- perioperative hypothermia
The use of a Bioactive skin substitute decreases length of stay for pediatric burn patients ⁶⁹	2001	Journal of Pediatric Surgery	English	USA	1 Y	2 N	3 N	4 Y	5 N	6 N	7 N	8 Y	9 Y	10 Y	11 Y	- length of hospital stay - need for autografting
Volume-based feeding improves nutritional adequacy in surgical patients ⁵⁶	2018	The American Journal of Surgery	English	USA	1 Y	2 N	3 N	4 Y	5 N	6 N	7 N	8 N	9 Y	10 Y	11 Y	- percentage of target protein and calories delivered/volume delivered per probe - length of hospital stay - mortality - surgical site infection/pneumonia - need pro-kinetic/gastrointestinal intolerance/emesis - bronchoalveolar aspiration
Investigating the effect of seeing patients' pre-burn facephoto on the quality of care and level of empathy of nurses with patients admitted to BICU ⁸⁸	2021	Burns	English	Iran	1 Y	2 N	3 N	4 N	5 N	6 N	7 N	8 N	9 Y	10 Y	11 Y	- nurse empathy with patient - patient satisfaction/caregiver with the quality of nursing care
Effect of nitrous oxide on fentanyl consumption in burned patients undergoing dressing change ³⁷	2016	Rev. Brasileira de Anestesiologia	Portuguese	Brazil	1 Y	2 N	3 N	4 N	5 N	6 N	7 N	8 N	9 Y	10 Y	11 Y	- drugs for analgesic control - dose of morphine and time between doses - pain assessment - intravenous fentanyl demand - patient satisfaction
Physiotherapeutic intervention in burned patient: a respiratory therapy approach in a pilot study ¹⁰⁴	2016	Rev. Brasileira de Queimaduras	Portuguese	Brazil	1 Y	2 N	3 N	4 N	5 N	6 N	7 N	8 N	9 Y	10 Y	11 Y	- respiratory therapy results
Hospital-acquired infections and thermally injured patients: Chlorhexidine gluconate baths work ⁷⁵	2014	American Journal of Infection Control	English	USA	1 N	2 N	3 N	4 Y	5 N	6 N	7 N	8 N	9 Y	10 Y	11 Y	- hospital-acquired infections
Improving hand hygiene in a low-resource setting: A nurse-led quality improvement Project ¹⁵	2021	International Wound Journal	English	Malawi	1 N	2 N	3 N	4 N	5 N	6 N	7 N	8 N	9 Y	10 Y	11 Y	- incidence of hand hygiene - structure for hand hygiene

A performance improvement initiative to determine the impact of increasing the time interval between changing centrally placed intravascular catheters⁷⁶	2014	Journal of Burn Care & Research	English	USA	1 Y	2 N	3 N	4 Y	5 N	6 N	7 N	8 N	9 Y	10 Y	11 Y	- central catheter infection rate
Mobilization practices for patients with burn injury in critical care⁷²	2020	Burns	English	Brazil	1 Y	2 N	3 N	4 N	5 N	6 N	7 N	8 N	9 Y	10 Y	11 Y	- muscle strength assessment - mobility level - deambulation

PROSPECTIVE COHORT STUDIES								
Title	Year	Journal	Country	Language		Newcastle-Ottawa		Quality Indicators
[Practice of nosocomial infection management in burn department based on the American hospital evaluation standard of the Joint Commission International]. ⁷³	2020	Chinese Journal of Burns	Mandarin	China	Selection	Comparability **	Outcome *	- hand hygiene rate - hand hygiene accuracy rate - infection of central venous catheter/urinary tract/VAP - prevention of catheter infections - specification of catheter fixation - preventive measures of VAP
Which of the Abbreviated Burn Severity Index variables are having impact on the hospital length of stay? ²³	2007	Journal of Burn Care & Research	English	Austria	Selection **	Comparability **	Outcome ***	- prediction of mortality - length of hospital stay
Benchmarking outcomes in the critically injured burn patient ⁷⁷	2014	Annals of Surgery Open	English	USA	Selection **	Comparability **	Outcome **	- organ dysfunction - infectious complications - mortality - time to recover organ dysfunction
Food profile of a specialized public hospital for patients injured by burns ³²	2017	Revista Brasileira de Queimaduras	Portuguese	Brazil	Selection **	Comparability *	Outcome **	- energy and protein needs - quantity of calories and proteins offered and consumed - calculation of body mass index - percentage of diet acceptance
Early excision and grafting versus delayed excision and grafting of deep thermal burns up to 40% total body surface area: A comparison of outcome. ⁷⁸	2012	Annals of Burns and Fire Disasters	English	Pakistan	Selection ***	Comparability **	Outcome **	- wound with positive culture - graft setting percentage - length of hospital stay - need for blood transfusion
Early enteral nutrition in burns: compliance with guidelines and associated outcomes in a multicenter study ⁵³	2011	Journal of Burn Care & Research	English	USA	Selection ***	Comparability **	Outcome ***	- initiation of enteral nutrition - organ dysfunction - infectious complications - days of enteral nutrition - length of ICU hospitalization - mortality

RETROSPECTIVE COHORT STUDIES								
Title	Year	Journal	Language	Country	Newcastle-Ottawa			Quality Indicators
A predictive model for prolonged hospital length of stay in surgical burn patients ⁹²	2020	Burns	English	USA	Selection **	Comparability	Outcome ***	- length of hospital stay
Analysis of factors impacting length of stay in thermal and inhalation injury ⁹³	2019	Burns	English	USA	Selection **	Comparability	Outcome ***	- length of hospital stay
Contributors to the length-of-stay trajectory in burn-injured patients ⁶³	2018	Burns	English	Canada	Selection **	Comparability **	Outcome **	- length of hospital stay/total body surface area - hospital complications - days of enteral nutrition - surgical procedures
Early enteral nutrition in geriatric burn patients: Is there a benefit? ⁵²	2020	Journal of Burn Care & Research	English	USA	Selection ***	Comparability **	Outcome **	- initiation of enteral nutrition - length of hospital stay/ICU - hospital complications - mortality
LA50 in burns injuries ⁹¹	2016	Annals of Burns and Fire Disasters	English	Iran	Selection **	Comparability	Outcome **	- mortality: LA50
Accuracy of commercial reporting systems to monitor quality of care in burns ²²	2014	Burns	English	United Kingdom	Selection ***	Comparability *	Outcome **	- prediction of mortality
Not all patients meet the 1day per percent burn rule: A simple method for predicting hospital length of stay in patients with burn ⁹⁵	2016	Burns	English	USA	Selection *	Comparability **	Outcome *	- length of hospital stay
Patient safety measures in burn care: Do national reporting systems accurately reflect quality of burn care? ⁸⁷	2010	Journal of Burn Care & Research	English	USA	Selection **	Comparability **	Outcome **	- expected mortality - complications
Length of stay per total body surface area burn relative to mechanism: A pediatric injury quality improvement collaborative study ⁹⁹	2022	Journal of Burn Care & Research	English	USA	Selection *	Comparability **	Outcome **	- length of hospital stay/total body surface area
Epidemiology of burn at a military hospital in Bahrain: initial experience of patient outcomes and quality indicators ⁹⁰	2018	International Journal of Burns and Trauma	English	Saudi Arabia	Selection **	Comparability	Outcome **	- length of hospital stay/ICU - mortality
Unplanned readmission after traumatic injury: A long-term nationwide analysis ¹¹⁰	2019	Journal Trauma Acute Care Surgery	English	USA	Selection **	Comparability **	Outcome **	- readmission at 1, 3, and 6 months/total hospitalized patients
Prolonged hospital length of stay in pediatric trauma: a model for targeted interventions ⁹⁶	2020	Pediatric Research	English	USA	Selection **	Comparability	Outcome **	- length of hospital stay

Evaluation of burn care utilizing a National Burn Registry¹⁶	1978	Emergency Medical Services	English	USA	Selection *	Comparability **	Outcome *	- expected mortality - number of grafts - anesthesia time - days from first to last grafting - days from injury to last grafting - length of hospital stay - resuscitation – fluid volume/urinary output - burned region - conformity with infection control procedures - existence and implementation of a care plan - involvement with teaching - admission of overload patient - existence of admission protocol
Mortalidad tras un año de protocolización en el manejo del paciente quemado⁶⁵	2010	Revista Chilena de Cirurgia	Spanish	Chile	Selection *	Comparability	Outcome **	- days of enteral nutrition - length of hospital stay/ICU - duration of surgical procedures - expected mortality
Factor XIII-guided treatment algorithm reduces blood transfusion in burn surgery⁸²	2018	Rev. Brasileira de Anestesiologia	Portuguese	Portugal	Selection ***	Comparability *	Outcome **	- quantity of blood product usage in the perioperative period - coagulation biomarkers
Contracture severity at hospital discharge in children: A burn model system database study¹⁰¹	2021	Journal of Burn Care & Research	English	USA	Selection **	Comparability	Outcome ***	- active ROM at discharge
Length of stay per total body surface area burn: A validation study using the national burn registry²⁷	2022	Journal of Burn Care & Research	English	USA	Selection **	Comparability	Outcome ***	- length of hospital stay/total body surface area - prediction of mortality - mortality
Mortality analysis of adult burn patients in Uruguay¹⁷	2020	Rev. Brasileira de Terapia Intensiva	Portuguese	Uruguay	Selection ***	Comparability **	Outcome ***	- expected mortality - gross mortality - LA50 - presence of inhalation injury - length of ICU hospitalization - days of enteral nutrition
Establishing a hospital transfusion management system promotes appropriate clinical use of human albumin in Japan: a nationwide retrospective study⁴⁹	2019	BMC Health Services Research	English	Japan	Selection **	Comparability **	Outcome **	- gross mortality - length of hospital stay - albumin use

Modified first world mortality scores can be used in a regional South African burn service with resource limitations.²⁵	2016	Burns	English	South Africa	Selection **	Comparability **	Outcome **	- prediction of mortality
Systems-based practice in burn care prevention, management, and economic impact of health care-associated infections¹⁸	2017	Clinics in Plastic Surgery	English	USA	Selection **	Comparability **	Outcome **	- care-associated infections - identification of pathogens - presence of inhalation injury - length of hospital stay - mortality
Hospital-acquired pressure ulcer prevention: A burn surgeon's team approach⁸⁰	2014	Journal of Burn Care & Research	English	USA	Selection *	Comparability	Outcome **	- incidence of decubitus ulcers
Comparison of two healing techniques in pediatric burned patients⁵⁹	2018	Revista Pediatría Electrónica	Spanish	Chile	Selection **	Comparability **	Outcome **	- quantity that needed grafting - grafting percentage - length of hospital stay - number of dressings at admission - days from injury to grafting - infectious complications
Comparison of severity scores for mortality prediction and length of hospital stay in burn units²⁶	2017	Revista Brasileira de Queimaduras	Portuguese	Brazil	Selection ***	Comparability **	Outcome **	- prediction of mortality - length of hospital stay - mortality
Use of albumin as a risk factor for hospital mortality among burn patients in Brazil: non-concurrent cohort study⁵⁰	2010	São Paulo Medical Journal	English	Brazil	Selection ***	Comparability **	Outcome **	- mortality - length of hospital stay - albumin use
Effectiveness of an Early Mobilization Protocol in a Trauma and Burns Intensive Care Unit: A Retrospective Cohort Study⁸⁴	2013	Physical Therapy	English	USA	Selection **	Comparability **	Outcome **	- mobilization adverse events - length of hospital stay - days of enteral nutrition - mortality
Effects of mobility training on severe burn patients in the BICU: A retrospective cohort study⁷¹	2016	Burns	English	China	Selection **	Comparability **	Outcome ***	- range of motion - mobility at discharge - length of hospital stay/ICU - duration of rehabilitation in the ICU - days of enteral nutrition - absolute bed rest time
Is the length of time in acute burn surgery associated with poorer outcomes?⁶⁸	2014	Burns	English	Australia	Selection **	Comparability **	Outcome ***	- duration of surgical procedures - length of hospital stay - infectious complication rate - use of blood product usage - graft loss
The impact of operative time and hypothermia in acute burn surgery⁶⁶	2017	Burns	English	Canada	Selection **	Comparability **	Outcome ***	- total duration of surgical procedures - perioperative hypothermia - postoperative complications

Abdominal compartment syndrome in the severely burned patient⁴⁸	2007	Journal of Burn Care & Research	English	USA	Selection **	Comparability *	Outcome ***	- intra-abdominal hypertension - urinary output - organ failure - Ivy score
Adult contractures in burn injury: A burn model system national database study¹⁰²	2017	Journal of Burn Care & Research	English	USA	Selection ***	Comparability *	Outcome ***	- number of joint contractures - ectropion, microstomia, and nasolabial contractures
Quantifying contracture severity at hospital discharge in adults: A burn model system national database study¹⁰³	2018	Journal of Burn Care & Research	English	USA/ Canada	Selection **	Comparability *	Outcome ***	- active ROM at discharge
A comparison of Biobrane™ and cadaveric allograft for temporizing the acute burn wound: Cost and procedural time⁶⁷	2015	Burns	English	Canada	Selection ***	Comparability *	Outcome ***	- duration of surgical procedures - need for another debridement

CASE-CONTROL STUDIES								
Title	Year	Journal	Language	Country	Newcastle-Ottawa			Quality Indicators
Implementation of a nurse-driven burn resuscitation protocol: A quality improvement project ⁴⁶	2013	Critical care nurse	English	USA	Selection **	Comparability **	Exposure	- indication of resuscitation fluid volume - resuscitation fluid volume - resuscitation monitoring - resuscitation complications - days of enteral nutrition - length of ICU hospitalization
Current status of nutritional care provision to burnt patients. Processes audit of a burnt patients department from a tertiary hospital ³⁰	2008	Nutricion Hospitalaria	Spanish	Cuba	Selection ***	Comparability *	Exposure *	- gross mortality - complications - length of hospital stay/total body surface area - weight and height assessment at admission - patients weighed at least once at hospitalization - value of serum albumin - lymphocyte count - patients with nutritional assessment - patients with oral supplementation - patients with indication of artificial nutritional support - patients with sufficient energy intake - patients with nutritional balance
A comparative analysis from the morbidity and mortality before and after the deployment burn protocol ⁶⁰	2014	Rev. Brasileira de Queimaduras	Portuguese	Brazil	Selection **	Comparability **	Exposure *	- length of hospital stay - transfers - gross mortality - surgical procedures - number of grafts
Pediatric burn-trauma patients have increased length of stay compared to trauma-only patients: A propensity matched analysis ⁷⁴	2020	Burns	English	USA	Selection **	Comparability **	Exposure **	- length of hospital stay - mortality - days of enteral nutrition - infection, sepsis, and other complications
Colloid administration normalizes resuscitation ratio and ameliorates "fluid creep" ⁴⁷	2010	Journal of Burn Care & Research	English	USA	Selection **	Comparability *	Exposure ***	- resuscitation – fluid volume/urinary output

Impact of a computerized information system on quality of nutritional support in the ICU²⁸	2006	Nutrition	English	Switzerland	Selection **	Comparability **	Exposure *	- start of feeding - energy target and computed intake - energy target vs. energy supplied - weight loss - patient weight at admission - artificial feeding
Use of Transcyte and dermabrasion to treat burns reduces length of stay in burns of all size and etiology⁹⁷	2006	Burns	English	USA	Selection ***	Comparability **	Exposure	- length of hospital stay
The use of a novel burn dressing out of bacterial nanocellulose compared to the French standard of care in paediatric 2nd degree burns – A retrospective analysis⁴⁰	2022	Burns	English	France	Selection **	Comparability **	Exposure **	- wound healed on the fifteenth day - time for complete healing - need for grafting - length of hospital stay - pain assessment - wound infection - patient and/or family satisfaction
Early fluid resuscitation improves outcomes in severely burned children¹⁹	2000	Resuscitation	English	USA	Selection **	Comparability **	Exposure ***	- time from injury to resuscitation - time until first surgical excision - incidence of sepsis - incidence of renal failure/CRP - presence of inhalation injury - mortality

CROSS-SECTIONAL STUDIES									
Title	Year	Journal	Language	Country	Newcastle-Ottawa			Quality Indicators	
Effectiveness of the Modified Brooke Formula of Hydric Substitution for Management of the Burnt Patient⁵¹	2019	Revista Cubana de Medicina General Integral	Spanish	Cuba	Selection *	Comparability **	Outcome *	- monitoring of resuscitation volume	
Quality of the hospital care to children with lesions due to burns²⁴	2011	Medisan	Spanish	Cuba	Selection *	Comparability **	Outcome *	- prediction of mortality - expected mortality	
Patient satisfaction in a Spanish burn unit¹⁰⁸	2018	Burns	English	Spain	Selection *	Comparability **	Outcome **	- patient satisfaction	
Quality of life of patients in a burned treatment unit¹⁰⁵	2011	Rev. Brasileira de Cirurgia Plástica	Portuguese	Brazil	Selection *	Comparability **	Outcome *	- quality of life	
Analysis of the burned patients' life quality submitted to the handling physical therapist interned in the Center of Handling of Burned¹⁰⁶	2013	Rev. Brasileira de Queimaduras	Portuguese	Brazil	Selection **	Comparability **	Outcome	- quality of life	
Quality of life of burned patients in a referral hospital in northeastern Brazil ¹⁰⁷	2013	Rev. Brasileira de Queimaduras	Portuguese	Brazil	Selection **	Comparability **	Outcome *	- quality of life	
Patient reported experiences at a swedish national burn centre¹⁰⁹	2022	Journal of Burn Care & Research	English	Sweden	Selection ***	Comparability **	Outcome *	- patient satisfaction	
Burn-related factors affecting anxiety, depression and self-esteem in burn patients: na exploratory study⁸⁵	2017	Annals of Burns and Fire Disasters	English	India	Selection *	Comparability **	Outcome **	- anxiety, depression, and self-esteem assessment	

EXPERT CONSENSUS					
Title	Year	Journal	Language	Country	Quality Indicators
Developing clinical quality indicators for a Bi-National Burn Registry ⁵	2011	Burns	English	Australia/ New Zealand	- presence of a surgeon 24/7 and surgeon evaluation/nurse within 24 hours of admission - multidisciplinary team weekly meetings - routine swabs at admission/surveillance of infection at admission - physical-functional assessment within 48 hours of admission - patient weighed within 3–5 days of admission /weight loss at admission - date and time of first surgical excision and time for complete excision of deep injuries - initiation of enteral/parenteral nutrition - negative change of GFR (eGFR) - unplanned readmission - length of hospital stay/ICU - mechanical ventilator time - gross mortality
Driving improved burns care and patient outcomes through clinical registry data: A review of quality indicators in the Burns Registry of Australia and New Zealand ²	2020	Burns	English	Australia/ New Zealand	- physical-functional assessment within 48 hours of admission - time for complete excision of deep injury - initiation of enteral/parenteral nutrition - hospital readmission/ICU - palliative care management - infectious surveillance - malnutrition risk assessment - pain assessment - psychosocial assessment - calculation of resuscitation volume - anticoagulation prophylaxis - escharotomy - standardized diagram for calculating total body surface area
The development of outcome statements for burn care ⁷	1997	Semlnars In Perioperative Nursing	English	USA	- pre- and postoperative evaluation - graft grip > 90% /donor area healing - cardiac and circulatory complications – complications of resuscitation volume - venous or arterial complications related to the central catheter - pruritus, anxiety, and sleep quality assessment - pain management - presence of infection – wound sepsis, presence of respiratory and urinary tract infection - metabolic balance - ROM, muscle strength, mobility and deambulation at discharge - nutritional status – need/intake and weight at hospital discharge - pulmonary and AV status and pulmonary and AV recovery after inhalation - wound healing and integrity of the unburned skin - understanding of post-hospital care

Defining Benchmarks in Pediatric Burn Care: Inception of the Pediatric Injury Quality Improvement Collaborative⁸	2021	Journal of Burn Care & Research	English	USA	- time until first surgical excision - initiation of enteral nutrition - psychological evaluation - quantity of patients who needed grafting
Summary of the 2012 ABA burn quality consensus conference⁹	2013	Journal of Burn Care & Research	English	USA	- depressive symptoms / acute stress disorder – initial assessment and follow up - use of protocol for resuscitation volume and monitoring - instruments for calculating total body surface area - presence of inhalation injury/ need for intubation - initiation of enteral nutrition - need for decompression procedure - expected mortality - total protein and calorie intake/glutamine use/oxandrolone use - weight loss - mean weekly glucose and HR levels – diet markers - physical-functional assessment in 48 hours - quality of life - time to complete removal of the eschar - time to wound closure or percentage of open wound at discharge - wound infection - need for regrafting

CASE SERIES					
Title	Year	Journal	Language	Country	Quality Indicators
Synergistic use of novel technological advances in burn care significantly reduces hospital length of stay below predicted: A case series ⁶¹	2022	Journal of Burn Care & Research	English	USA	- length of hospital stay - quantity of surgical procedures - total duration of surgical procedures - distance that patient can walk at discharge
Results of the implementation of a nutritional support protocol for major burn pediatric patients hospitalized in the Intensive Care Unit ²⁹	2018	Archivos Argentinos de Pediatría	Spanish	Argentina	- time to start enteral nutritional and intake vs. weekly energy and protein target - gross mortality - weight assessment and BMI at admission - basal metabolic rate - nitrogen balance and laboratory diet markers
Effects of enteral nutritional therapy in burned patients treated at a public hospital in Joinville/SC ³¹	2009	Revista Brasileira de Queimaduras	Portuguese	Brazil	- BMI assessment - biochemical parameters of nutrition - registration of food consumption

INTEGRATIVE REVIEW					
Title	Year	Journal	Language	Country	Quality Indicators
Outcome metrics after burn injury from patient-reported outcome measures to Value-based health care ⁸⁹	2017	Clinics in Plastic Surgery	English	USA	- gross mortality - length of hospital stay - quality of life
Quality assurance in burn patient care: the James Laing Memorial Essay, 1994 ²¹	1995	Burns	English	Australia	- mortality - length of hospital stay - injury assessment
Measuring burn injury outcomes ²⁰	2014	Surgical Clinics of North America	English	USA	- mortality: LA50 - length of hospital stay/total body surface area - depression, acute stress disorder - escharotomy, fasciotomy - resuscitation – fluid volume/urinary output - total calories and protein intake and weight loss or gain at discharge - use of glutamine and oxandrolone - mean weekly HR levels – diet markers - physical-functional assessment in 48 hours - time to complete removal of the eschar - burn wound infection - time to wound closure/ percentage of wound healed at discharge - need for regrafting - strength assessment, ROM - quality of life - documentation of injury characteristics/presence of inhalation injury
Clinical nutrition protocols for continuous quality improvements in the outcomes of patients with burns. ⁵⁴	1997	Journal of Burn Care & Rehabilitation	English	USA	- determination of caloric and protein targets and intake - micronutrient supplementation - weekly serum levels of transferrin, pre-albumin, and daily nitrogen balance - weight at discharge
Adult stem cells as a therapeutic option in a massive burn patient adult population with compromise of more than 50% of the body surface area ⁶⁴	2015	Revista Salud Bosque	Spanish	Colombia	- mortality - quantity of surgical procedures - length of hospital stay
The role of arginine and glutamine in immunomodulation in burned patients - a literature review ⁵⁸	2015	Rev. Brasileira de Queimaduras	Portuguese	Brazil	- incidence of infection - length of hospital stay - laboratory diet markers/defense system
Le estubazioni non pianificate nelle terapie intensive: quali implicazioni per l'assistenza infermieristica? ⁷⁹	2004	Assistenza infermieristica e ricerca	Italian	Italy	- unplanned extubation