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LAMPIRAN

Lampiran 1. Biodata Peneliti



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Lampiran 2. Rekomendasi Persetujuan Etik



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
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REKOMENDASI PERSETUJUAN ETIK

Nomor : 361/UN4.6.4.5.31/ PP36/ 2024

Tanggal: 20 Mei 2024

Dengan ini Menyatakan bahwa Protokol dan Dokumen yang Berhubungan Dengan Protokol berikut ini telah mendapatkan Persetujuan Etik :

No Protokol	UH24050341	No Sponsor	
Peneliti Utama	A. Aulia Ulandira	Sponsor	
Judul Peneliti	KARAKTERISTIK PENGGUNAAN ANALGESIK OPIOID PADA PASIEN PASCA BEDAH ORTOPEDI DI RSUP DR. WAHIDIN SUDIROHUSODO PERIODE OKTOBER HINGGA DESEMBER 2023		
No Versi Protokol	1	Tanggal Versi	20 Mei 2024
No Versi PSP		Tanggal Versi	
Tempat Penelitian	RSUP. Dr. Wahidin Sudirohusodo Makassar		
Jenis Review	<input checked="" type="checkbox"/> Exempted <input type="checkbox"/> Expedited <input type="checkbox"/> Fullboard Tanggal	Masa Berlaku 17 Mei 2024 sampai 17 Mei 2025	Frekuensi review lanjutan
Ketua KEP Universitas Hasanuddin	Prof. dr. Muh Nasrum Massi, PhD, SpMK, Subsp. Bakt(K)	Tanda tangan	
Sekretaris KEP Universitas Hasanuddin	dr. Firdaus Hamid, PhD, SpMK(K)	Tanda tangan	

Kewajiban Peneliti Utama:

- Menyerahkan Amandemen Protokol untuk persetujuan sebelum di implementasikan
- Menyerahkan Laporan SAE ke Komisi Etik dalam 24 Jam dan dilengkapi dalam 7 hari dan Laporan SUSAR dalam 72 Jam setelah Peneliti Utama menerima laporan
- Menyerahkan Laporan Kemajuan (progress report) setiap 6 bulan untuk penelitian resiko tinggi dan setiap setahun untuk penelitian resiko rendah
- Menyerahkan laporan akhir setelah Penelitian berakhir
- Melaporkan penyimpangan dari protokol yang disetujui (protocol deviation / violation)
- Mematuhi semua peraturan yang ditentukan

Lampiran 3. Permohonan Izin Penelitian



KEMENTERIAN PENDIDIKAN KEBUDAYAAN,
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Hal : Permohonan Izin Penelitian

17 April 2024

Yth. Direktur RSUP Dr. Wahidin Sudirohusodo

Dengan hormat, disampaikan bahwa mahasiswa Program Studi Pendidikan Dokter Fakultas Kedokteran Universitas Hasanuddin di bawah ini :

N a m a : A. Aulia Ulandira
N i m : C011211107

bermaksud melakukan penelitian di RSUP Dr. Wahidin Sudirohusodo dengan judul penelitian **“Karakteristik Penggunaan Analgesik Opioid Pada Pasien Pasca Bedah Ortopedi RSUP Dr. Wahidin Sudirohusodo Periode Oktober Hingga Desember 2023”**

Sehubungan hal tersebut kiranya yang bersangkutan dapat diberi izin untuk melakukan Penelitian dalam rangka penyelesaian studinya.

Demikian permohonan kami, atas bantuan dan kerjasamanya disampaikan terima kasih

Ketua Program Studi S1
Pendidikan Dokter
Fakultas Kedokteran



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Lampiran 4. Izin Penelitian



Kementerian Kesehatan RS Wahidin Sudirohusodo

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Nomor : DP.04.03/D.XIX.2/1957/2024
 Hal : Izin Penelitian

26 Juni 2024

**Yth. Ketua Program Studi S1 Pendidikan Dokter
 Fakultas Kedokteran Universitas Hasanuddin**

Sehubungan dengan surat saudara nomor **06340/UN4.6.8/PT.01.04/2024**, tertanggal **17 April 2024**, hal **Permohonan Izin Penelitian**, dapat kami fasilitasi dan memberikan izin pelaksanaan penelitian kepada:

Nama : **A. Aulia Ulandira**
 NIM : **C011211107**
 Prog. Pend. : **S1 Pendidikan Dokter**
 No. HP : **081368193987**
 Judul : **Karakteristik Penggunaan Analgesik Opioid pada Pasien Pasca Bedah Ortopedi RS Wahidin Sudirohusodo Periode Oktober hingga Desember 2023**
 Jangka Waktu : **Tiga Bulan Setelah Surat ini di Keluarkan**
 Lokasi : **Instalasi Rekam Medik; Instalasi SIRS**

Dengan ketentuan sebagai berikut :

1. Mengikuti seluruh peraturan dan ketentuan penelitian yang berlaku di lingkup RS Wahidin Sudirohusodo
2. Sebelum meneliti, peneliti wajib melapor kepada Pengawas Penelitian di masing-masing unit yang menjadi lokasi penelitian dan mengikuti syarat administrasi di *Clinical Research Unit* (CRU)
3. Pelaksanaan penelitian tidak mengganggu proses pelayanan, dan mendukung upaya peningkatan mutu pelayanan serta keselamatan pasien
4. Pemeriksaan penunjang, Bahan Habis Pakai (BHP) dan lain-lain yang digunakan dalam penelitian, menjadi tanggung jawab peneliti, tidak dibebankan kepada pasien ataupun RS
5. Peneliti melaporkan proses penelitian secara periodik serta hasil penelitian di akhir waktu penelitian di link <https://s.id/SisterElit>
6. Mencantumkan nama RS Wahidin Sudirohusodo sebagai afiliasi institusi dalam naskah dan publikasi penelitian
7. Surat Keterangan Selesai Penelitian menjadi salah satu syarat untuk mengikuti Seminar Hasil Penelitian
8. Bukti Penyerahan Skripsi/Thesis/Disertasi ke RS Wahidin Sudirohusodo menjadi syarat penyelesaian studi

Mohon dapat dipastikan agar ketentuan tersebut dipenuhi peneliti sebelum menyelesaikan studi di institusi saudara. Atas perhatian dan kerjasama yang baik, diucapkan terima kasih.



dr. Direktur Utama
 Direktur SDM, Pendidikan dan Penelitian,

dr. Nu'man As Daud, Sp.PD, K-GEH, FINASIM
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Tembusan:

1. Kepala Instalasi Rekam Medik
2. Kepala Instalasi Sistem Informasi Rumah Sakit (SIRS)

Kementerian Kesehatan tidak menerima suap dan/atau gratifikasi dalam bentuk apapun. Jika terdapat potensi suap atau gratifikasi silahkan laporkan melalui HALO KEMENKES 1500567 dan <https://wbs.kemkes.go.id>. Untuk verifikasi keaslian tanda tangan elektronik, silahkan unggah dokumen pada laman <https://te.kominfo.go.id/verifyPDF>.

Lampiran 5. Data Penelitian

PASIE	USIA	JK	JENIS PEMBEDAHAN	RUTE ANESTESI	JENIS OPIOID	RUTE PEMBERIAN OPIOID	DOSIS OPIOID	DURASI PEMBERIAN OPIOID
P1	<18	P	Open reduction and internal fixation	Lokal	Opioid kerja kuat	Intravena	100 mcg/jam	1-3
P2	<18	L	Open reduction and internal fixation	Spinal	Opioid kerja kuat	Intravena	2 mcg/kg/jam	1-3
P3	<18	L	Removal of implanted device	Spinal	Opioid kerja kuat	Intravena	3 mcg/kg/jam	1-3
P4	<18	L	Sequesterectomy	Spinal	Opioid kerja kuat	Intravena	1 mcg/kg/jam	1-3
P5	<18	P	Open reduction and internal fixation	Spinal	Opioid kerja kuat	Intravena	2 mcg/kg/jam	1-3
P6	<18	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intratekal	25 mcg/jam	1-3
P7	<18	L	Removal of implanted device	Umum	Opioid kerja kuat	Intravena	2 mcg/kg/jam	1-3
P8	<18	P	Removal of implanted device	Umum	Opioid kerja kuat	Intravena	30 mcg/jam	1-3
P9	<18	L	Removal of implanted device	Umum	Opioid kerja kuat	Intravena	50 mcg/jam	1-3
P10	<18	L	Wedge osteotomy	Umum	Opioid kerja kuat	Intravena	25 mcg/jam	1-3
P11	<18	L	Achillotenotomy	Umum	Opioid kerja kuat	Intravena	2 mcg/kg/jam	1-3
P12	<18	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	2 mcg/kg/jam	1-3
P13	<18	P	Open reduction of dislocation	Umum	Opioid kerja kuat	Intravena	3 mcg/kg/jam	1-3

P14	<18	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	1 mcg/kg/jam	1-3
P15	<18	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	100 mcg/jam	1-3
P16	<18	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	50 mcg/jam	1-3
P17	<18	L	Removal of implanted device	Umum	Opioid kerja kuat	Intravena	100 mcg/jam	1-3
P18	<18	L	Removal of implanted device	Umum	Opioid kerja kuat	Intravena	20 mcg/jam	1-3
P19	<18	P	Removal of implanted device	Umum	Opioid kerja kuat	Intravena	50 mcg/jam	1-3
P20	<18	L	Removal of implanted device	Umum	Opioid kerja kuat	Intravena	50 mcg/jam	1-3
P21	<18	L	Sequesterectomy	Umum	Opioid kerja kuat	Intravena	3 mcg/kg/jam	1-3
P22	<18	L	Sequesterectomy	Umum	Opioid kerja kuat	Intravena	3 mcg/kg/jam	1-3
P23	<18	P	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	30 mcg/jam	4-7
P24	<18	L	Open reduction of dislocation	Umum	Opioid kerja kuat	Intravena	50 mcg/jam	4-7
P25	<18	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	0,5 mcg/kg/jam	4-7
P26	<18	L	Removal of implanted device	Umum	Opioid kerja kuat	Intravena	2 mcg/kg/jam	4-7
P27	<18	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	3 mcg/kg/jam	7-14
P28	>50	L	Amputation	Epidural	Opioid kerja kuat	Intravena	3 mcg/kg/jam	1-3

P29	>50	L	Free flap surgery	Epidural	Opioid kerja kuat	Intravena	0,5 mcg/kg/jam	1-3
P30	>50	L	Open reduction and internal fixation	Spinal	Opioid kerja kuat	Intravena	2 mcg/kg/jam	1-3
P31	>50	L	Removal of implanted device	Spinal	Opioid kerja kuat	Intravena	30 mcg/jam	1-3
P32	>50	P	Wedge osteotomy	Spinal	Opioid kerja kuat	Intravena	3 mcg/kg/jam	1-3
P33	>50	P	Open reduction and internal fixation	Spinal	Opioid kerja kuat	Intravena	100 mcg/jam	1-3
P34	>50	L	Open reduction and internal fixation	Spinal	Opioid kerja kuat	Intratekal	25 mcg/jam	1-3
P35	>50	P	Removal of implanted device	Spinal	Opioid kerja kuat	Intravena	30 mcg/jam	1-3
P36	>50	P	Total knee replacement	Spinal	Opioid kerja kuat	Intratekal	25 mcg/jam	1-3
P37	>50	P	Partial hip replacement	Spinal	Opioid kerja kuat	Intravena	50 mcg/jam	1-3
P38	>50	P	Total knee replacement	Spinal	Opioid kerja kuat	Intravena	30 mcg/jam	1-3
P39	>50	L	Total knee replacement	Spinal	Opioid kerja kuat	Intratekal	50 mcg/jam	1-3
P40	>50	P	Open reduction and internal fixation	Spinal	Opioid kerja kuat	Intravena	3 mcg/kg/jam	1-3
P41	>50	P	Open reduction and internal fixation	Spinal	Opioid kerja kuat	Intravena	3 mcg/kg/jam	1-3
P42	>50	P	Open reduction and internal fixation	Spinal	Opioid kerja kuat	Intravena	30 mcg/jam	1-3
P43	>50	P	Partial hip replacement	Spinal	Opioid kerja kuat	Intravena	3 mcg/kg/jam	1-3

P44	>50	L	Open reduction and internal fixation	Spinal	Opioid kerja kuat	Intravena	2 mcg/kg/jam	1-3
P45	>50	P	Open reduction and internal fixation	Spinal	Opioid kerja kuat	Intravena	1 mcg/kg/jam	1-3
P46	>50	P	Partial hip replacement	Spinal	Opioid kerja kuat	Intravena	3 mcg/kg/jam	4-7
P47	>50	P	Partial hip replacement	Spinal	Opioid kerja kuat	Intravena	3 mcg/kg/jam	4-7
P48	>50	L	Amputation	Umum	Opioid kerja kuat	Intravena	30 mcg/jam	>14
P49	>50	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	2 mcg/kg/jam	1-3
P50	>50	P	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	1 mcg/kg/jam	1-3
P51	>50	L	Removal of implanted device	Umum	Opioid kerja kuat	Intravena	3 mcg/kg/jam	1-3
P52	>50	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	100 mcg/jam	1-3
P53	>50	P	Exploration of tendon sheath	Umum	Opioid kerja kuat	Intravena	2 mcg/kg/jam	1-3
P54	>50	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	3 mcg/kg/jam	4-7
P55	>50	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	3 mcg/kg/jam	4-7
P56	18-30	P	Amputation	Spinal	Opioid kerja kuat	Intravena	3 mcg/kg/jam	1-3
P57	18-30	L	Open reduction and internal fixation	Spinal	Opioid kerja kuat	Intravena	2 mcg/kg/jam	1-3
P58	18-30	L	Open reduction and internal fixation	Spinal	Opioid kerja kuat	Intratekal	25 mcg/jam	1-3

P59	18-30	L	Open reduction and internal fixation	Spinal	Opioid kerja kuat	Intravena	3 mcg/kg/jam	1-3
P60	18-30	P	Removal of implanted device	Spinal	Opioid kerja kuat	Intratekal	25 mcg/jam	1-3
P61	18-30	L	Removal of implanted device	Spinal	Opioid kerja kuat	Intratekal	25 mcg/jam	1-3
P62	18-30	L	Removal of implanted device	Spinal	Opioid kerja kuat	Intravena	30 mcg/jam	1-3
P63	18-30	P	Open reduction and internal fixation	Spinal	Opioid kerja kuat	Intratekal	100 mcg/jam	1-3
P64	18-30	L	Open reduction and internal fixation	Spinal	Opioid kerja kuat	Intratekal	100 mcg/jam	1-3
P65	18-30	L	Open reduction and internal fixation	Spinal	Opioid kerja kuat	Intravena	1 mcg/kg/jam	1-3
P66	18-30	L	Open reduction and internal fixation	Spinal	Opioid kerja kuat	Intravena	3 mcg/kg/jam	1-3
P67	18-30	P	Open reduction and internal fixation	Spinal	Opioid kerja kuat	Intravena	3 mcg/kg/jam	1-3
P68	18-30	P	Removal of implanted device	Spinal	Opioid kerja kuat	Intravena	2 mcg/kg/jam	4-7
P69	18-30	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	30 mcg/jam	>14
P70	18-30	P	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	100 mcg/jam	1-3
P71	18-30	P	Muscle transplantation	Umum	Opioid kerja kuat	Intravena	50 mcg/jam	1-3
P72	18-30	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	2 mcg/kg/jam	1-3
P73	18-30	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	50 mcg/jam	1-3

P74	18-30	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	3 mcg/kg/jam	4-7
P75	18-30	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	1 mcg/kg/jam	4-7
P76	18-30	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	3 mcg/kg/jam	4-7
P77	18-30	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	30 mcg/jam	4-7
P78	18-30	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	3 mcg/kg/jam	4-7
P79	18-30	P	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	100 mcg/jam	4-7
P80	18-30	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	2 mcg/kg/jam	7-14
P81	18-30	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	30 mcg/jam	7-14
P82	31-40	L	Removal of implanted device	Spinal	Opioid kerja kuat	Intratekal	50 mcg/jam	1-3
P83	31-40	P	Bone graft	Umum	Opioid kerja kuat	Intravena	30 mcg/jam	1-3
P84	31-40	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	50 mcg/jam	1-3
P85	31-40	L	Sequesterectomy	Umum	Opioid kerja kuat	Intravena	2 mcg/kg/jam	1-3
P86	31-40	P	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	2 mcg/kg/jam	1-3
P87	31-40	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	3 mcg/kg/jam	4-7
P88	31-40	P	Synovectomy	Umum	Opioid kerja kuat	Intravena	100 mcg/jam	4-7

P89	31-40	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	3 mcg/kg/jam	4-7
P90	31-40	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	100 mcg/jam	4-7
P91	41-50	L	Advancement of pedicle graft	Lokal	Opioid kerja kuat	Intravena	3 mcg/kg/jam	1-3
P92	41-50	P	Removal of implanted device	Spinal	Opioid kerja kuat	Intravena	30 mcg/jam	1-3
P93	41-50	L	Amputation	Spinal	Opioid kerja kuat	Intravena	50 mcg/jam	1-3
P94	41-50	L	Open reduction and internal fixation	Spinal	Opioid kerja kuat	Intravena	100 mcg/jam	1-3
P95	41-50	L	Synovectomy	Spinal	Opioid kerja kuat	Intratekal	25 mcg/jam	1-3
P96	41-50	L	Sequesterectomy	Spinal	Opioid kerja kuat	Intravena	2 mcg/kg/jam	1-3
P97	41-50	P	Open reduction and internal fixation	Spinal	Opioid kerja kuat	Intravena	2 mcg/kg/jam	1-3
P98	41-50	L	Tendon transplantation	Umum	Opioid kerja kuat	Intravena	50 mcg/jam	1-3
P99	41-50	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	30 mcg/jam	1-3
P100	41-50	P	Bone graft	Umum	Opioid kerja kuat	Intravena	2 mcg/kg/jam	1-3
P101	41-50	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	3 mcg/kg/jam	4-7
P102	41-50	P	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	30 mcg/jam	7-14
P103	41-50	L	Open reduction and internal fixation	Umum	Opioid kerja kuat	Intravena	2 mcg/kg/jam	7-14

P104	>50	P	Removal of implanted device	Lokal	Opioid kerja lemah	Oral	50 mg/12 jam	4-7
P105	18-30	L	Open reduction and internal fixation	Umum	Opioid kerja lemah	Oral	50 mg/12 jam	1-3
P106	18-30	L	Arthroscopy of shoulder	Umum	Opioid kerja lemah	Oral	50 mg/12 jam	7-14
P107	31-40	P	Arthroscopy of shoulder	Umum	Opioid kerja lemah	Oral	50 mg/12 jam	4-7
P108	41-50	L	Open reduction and internal fixation	Lokal	Opioid kerja lemah	Oral	50 mg/12 jam	4-7
P109	<18	P	Wedge osteotomy	Umum	Opioid kerja sedang	Intravena	100 mcg/jam	1-3
P110	18-30	L	Removal of implanted device	Spinal	Opioid kerja sedang	Intravena	0,5 mg/kg/jam	1-3