| Author(s)       | Year | Sample                             | tDCS montage | Stimulation site                                      | Intensity | Duration of tDCS stimulation | Number of tDCS sessions | Duration of treatment | Paired task                        |
|----------------|------|------------------------------------|--------------|------------------------------------------------------|-----------|------------------------------|-------------------------|-----------------------|------------------------------------|
| Kang et al.    | 2007 | 5 patients with chronic aphasia    | C-tDCS       | Broca’s homologous areas of the right hemisphere     | 2mA       | 20 min                       | 5                       | 5 days                | Speech Therapy                     |
| Vines et al.   | 2009 | 6 patients with chronic aphasia    | A-tDCS       | Right IPS                                            | 1.2mA     | 20 min                       | 3 per condition         | 6 days                | Melodic Intonation Therapy        |
| Baker et al.   | 2010 | 10 patients with chronic aphasia   | A-tDCS       | Left perilesional areas                              | 1mA       | 20 min                       | 5 active, 5 sham        | 1 week interval between conditions | Picture-Word Matching Task         |
| Fiori et al.   | 2011 | 3 patients with chronic aphasia    | A-tDCS       | Wernicke’s Area                                      | 1mA       | 20 min                       | 5 active, 5 sham        | 2 weeks + 1 week interval between conditions | Picture Naming Task               |
| Fiori et al.   | 2011 | 12 patients with chronic aphasia   | A-tDCS or C-tDCS | Right temporoparietal areas                     | 1mA       | 20 min                       | 3 (1 active anodal, 1 active cathodal, 1 sham. Randomized.) | 3 days + 3 week interval between conditions | Anoma Training                       |
| Fridriksson et al. | 2011 | 8 patients with chronic aphasia    | A-tDCS       | Perilesional areas                                   | 1mA       | 20 min                       | 5 active, 5 sham        | 2 weeks + 1 week interval between conditions | Computerised Anoma Treatment      |
| Jung et al.    | 2011 | 37 patients with chronic aphasia   | C-tDCS       | Broca’s homologous areas of the right hemisphere     | 1mA       | 30 min                       | 10                      | 2 to 3 weeks          | Speech and Language Therapy       |
| Kang et al.    | 2011 | 10 patients with chronic aphasia   | C-tDCS       | Broca’s homologous areas of the right hemisphere     | 2mA       | 20 min                       | 5 active, 5 sham        | 2 weeks + 1 week interval between conditions | Word Retrieval Training           |
| Marangolo et al. | 2011 | 3 patients with chronic aphasia    | A-tDCS       | Broca’s Area                                         | 1mA       | 20 min                       | 5 active, 5 sham        | 2 weeks + 6 days interval between conditions | Word Repetition Training          |
| Vines et al.   | 2011 | 6 patients with chronic aphasia    | A-tDCS       | Broca’s homologous areas of the right hemisphere     | 1.2mA     | 20 min                       | 3 active, 3 sham        | 6 days + 1 week interval between conditions | Melodic Intonation Therapy        |
| Saidmanesh et al. | 2012 | 20 patients with chronic aphasia   | A-tDCS       | Left prefrontal dorsolateral areas                   | 2mA       | 20 min                       | 10 active, 10 sham      | 20 days + 1 week interval between conditions | Verbal fluency and working memory tasks |
| Fiori et al.   | 2013 | 7 patients with chronic aphasia    | A-tDCS       | Left frontal and temporal areas                      | 1mA       | 20 min                       | 5 for each condition, 5 sham | 15 days + 6 days interval between conditions | Picture-Naming Task               |
| Lee et al.     | 2013 | 11 patients with chronic aphasia   | A-tDCS or bihemispheric tDCS | Two pairs of electrodes employed: (1) anode on Broca’s area and reference on left buccinator muscle; (2) cathode on Broca’s right homologous areas and reference on right buccinator muscle | 2mA | 30 min | 2 | 2 days + 1 day interval between conditions | Speech and Language Therapy |
| Marangolo et al. | 2013 | 7 patients with chronic aphasia    | A-tDCS       | Broca’s or Wernicke’s Areas                          | 1mA       | 20 min                       | 5 per condition         | 15 days + 6 days interval between conditions | Naming Task                      |
| Marangolo et al. | 2013 | 12 patients with chronic aphasia   | A-tDCS       | Broca’s Area                                         | 1mA       | 20 min                       | 5 active, 5 sham        | 2 weeks + 14 days interval between conditions | Conversational Therapy            |
| Marangolo et al. | 2013 | 8 patients with chronic aphasia    | Bihemispheric stimulation | Anode on Broca’s area, cathode on right homologous areas | 2mA | 20 min | 10 active, 10 sham | 20 days + 14 days interval between sessions | Language Therapy for apraxia    |
| Study          | Patients | Chronic Aphasia | Stimulation Type | Treatment Details                                                                 | Outcome Measures                                                                 |
|---------------|----------|-----------------|-----------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Marangolo et al. 2014 | 7 patients | Chronic aphasia | Bihemispheric tDCS | Anode on perilesional areas, cathode on homologous areas of the right hemisphere 2 mA 20 min 10 active, 10 sham 20 days + 14 days interval between sessions | Speech and Language Therapy                                                      |
| Marangolo et al. 2014 | 8 patients | Chronic aphasia and 20 healthy subjects | A-IDCS | Broca’s or Wernicke’s Areas 1 mA 20 min 20 active, 10 sham 30 days + 14 days interval between sessions | Conversational Therapy                                                          |
| Rosso et al. 2014 | 25 patients | Chronic aphasia | C-IDCS | Left personalised montage based on the lesion site 1 mA 15 min 1 active, 1 sham 1 day + 2 hours interval between sessions | Picture Naming Task                                                            |
| Vestino et al. 2014 | 3 patients | Chronic aphasia | A-IDCS | Perilesional areas 1.5 mA 20 min 5 active, 5 sham 5 days (both conditions every day) + 2 days interval between sessions | Naming Task                                                                     |
| Campana et al. 2015 | 20 patients | Chronic aphasia | A-IDCS | Broca’s Area 2 mA 20 min 5 active, 5 sham 1 week + 14 days interval between conditions | Conversational Therapy                                                          |
| Cipollari et al. 2015 | 6 patients | Chronic aphasia | A-IDCS or C-IDCS | Broca’s homologous areas of the right hemisphere 2 mA 20 min 15 active per condition 3 weeks + 14 days interval between conditions | Melodic Intonation Therapy                                                     |
| De Aguiar et al. 2015 | 9 patients | Chronic aphasia | Bihemispheric tDCS | Anode on perilesional areas, cathode on homologous areas of the right hemisphere 1 mA 20 min 10 active, 10 sham 10 weeks | SLT based on ACTION treatment                                                   |
| Richardson et al. 2015 | 8 patients | Chronic aphasia | A-IDCS (conventional and HD-IDCS) | Personalised montage on left frontal lobe 1 mA 20 min 5 per condition 5 weeks | Computerised Anoma Treatment                                                   |
| Shah-Basak et al. 2015 | 1st phase: 12 patients; 2nd phase: 5 patients | Chronic aphasia | A-IDCS or C-IDCS | Frontal personalised montage 2 mA 20 min 1st phase: 4 2nd phase: 10 2 weeks per condition | Picture Naming Task                                                            |
| Basat et al. 2016 | 7 patients | Chronic aphasia | A-IDCS or C-IDCS | Broca’s or Wernicke’s Areas 2 mA 10 min 6 active, 6 sham 2 weeks | Psycholinguistic Assessment of Language Processing in Aphasia (PALPA), Written Word Association test, Picture Association test |
| Marangolo et al. 2016 | 9 patients | Chronic aphasia | Bihemispheric stimulation | Anode on Broca’s Area, cathode on right homologous areas 2 mA 20 min 5 per condition 3 weeks | Speech and Language Therapy                                                    |
| Mezner et al. 2016 | 26 patients | Chronic aphasia | A-IDCS | Left motor cortex 1 mA 20 min 8 per group 2 weeks | Computer-assisted Naming Treatment                                             |
| Branscheidt et al. 2017 | 16 patients | Chronic aphasia | A-IDCS | Left primary motor cortex 2 mA 20 min 1 active, 1 sham 2 days + 7 days interval between conditions | Lexical Decision Task                                                          |
| Darkow et al. 2017 | 16 patients | Chronic aphasia | A-IDCS | Left primary motor cortex 1 mA 20 min 1 active, 1 sham 2 days + 1 week interval between conditions | Picture-object naming of familiar terms                                         |
| Marangolo et al. 2017 | 14 patients | Chronic aphasia | A-IDCS | 10th thoracic vertebra 2 mA 20 min 5 per condition 15 days + 6 days interval in between conditions | Verb and Noun Naming Task                                                      |
| Norse et al. 2017 | 9 patients | Chronic aphasia | A-IDCS or C-IDCS | Left or right frontal areas 2 mA 20 min 1st phase: 1 per condition; 2nd phase: 10 per group 2 months | Picture Naming Task                                                            |
| Cramer 2018 | 74 patients | Chronic aphasia | A-IDCS | Broca’s Area 1 mA 45 min 15 per group 3 weeks | Speech Therapy                                                                |
| Fridriksson et al. 2018 | 74 patients | Chronic aphasia | A-IDCS | Perilesional areas 1 mA 20 min 15 per group 3 weeks | Computerised Anoma Treatment                                                   |
| Fridriksson et al. 2018 | 74 patients | Chronic aphasia | A-IDCS | Left temporoanpaital areas 1 mA 20 min 15 per group 3 weeks | Picture-Word Matching Task                                                    |
| Marangolo et al. 2018 | 12 patients | Chronic aphasia | C-IDCS | Right cerebellar hemisphere 2 mA 20 min 5 per condition 3 weeks | Language Treatment for Verb Improvement                                        |
| Study                          | Participants | Intervention Type | Stimulation Area | Current (mA) | Duration (min) | Dosage | Interval Between Conditions | Primary Task                        |
|-------------------------------|--------------|-------------------|------------------|--------------|----------------|--------|----------------------------|-------------------------------------|
| Pestalozzi et al. 2018        | 14 patients  | A-tDCS            | Left prefrontal  | 1            | 20             | 1 active, 1 sham | 2 days + 1 week interval between conditions | Picture Naming Task and repetition |
| Spemann et al. 2018           | 13 patients  | A-tDCS            | Broca’s Area or left temporal areas | 1            | 20             | 2 active, 1 sham | 4 weeks | Word-Finding Therapy            |
| Woodhead et al. 2018          | 21 patients  | A-tDCS            | Perilesional areas | 2            | 20             | 11 per condition | 4 months | iReadMore                        |
| Pion et al. 2019              | 20 patients  | C-HD-tDCS         | Broca’s homologous areas of the right hemisphere | 2 mA; Group 1 1mA; Group 2 2mA | 20 | 5 per condition | 2 weeks + 1 week interval between condition | Verb Naming Task                     |
| Sielke et al. 2019            | 26 patients  | A-tDCS            | Left motor cortex | 1            | 20             | 12.5 hours weekly (2 daily sessions) | 3 weeks | Intensive Speech-Language Therapy |
| Guillouët et al. 2020         | 10 patients  | Bihemispheric tDCS | Anode on Broca’s area; cathode on homologous areas of the right hemisphere | 2            | 20             | 15 per condition | 3 weeks per condition + 1 week interval between conditions | Speech and Language Therapy         |
| Ihara et al. 2020             | 6 patients   | A-tDCS            | Anode on Broca’s area; cathode on homologous areas of the right hemisphere | 1.5          | 20             | 4 per condition | 4 days + 3 weeks interval between conditions | Word-Picture Matching Task          |
| Cherney et al. 2021           | 12 patients  | A-tDCS or C-tDCS  | Perilesional areas | 1            | 13             | 30 | 6 weeks | Speech and Language Therapy |
| Pisano et al. 2021            | 14 patients  | Bihemispheric tDCS | Temporoparietal areas | 2            | 20             | 10 | 2 weeks | Writing Tasks                |
| Zhao et al. 2021              | 18 patients  | A-tDCS            | Left inferior frontal gyrus | 2            | 20             | 20 | 4 weeks | Speech and Language Therapy |